وزارة التعليم العالي
والبحث العلمي
جامعة الموصل

النباتات المزروعة في العراق وأهميتها

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بسم الله الرحمن الرحيم

المقدمة

أن النباتات المزروعة بالعراق تكون جزءاً مهماً من الفلورا العراقية والتي يعمل على زراعتها معظم سكانه . وأن هذه النباتات تعتبر مصدراً أساسياً للغذاء والملبس والمسكن والعقاقير والمواد الأولية لكثير من الصناعات ولجمال وبهجة الحدائق والمنتزهات . وأن الأبحاث العلمية لهذه النباتات واستعمالاتها واكتشاف استعمالات جديدة لها تعمل على تطوير الاقتصاد الوطني .

إن المعلومات حول النباتات المزروعة بالعراق وأهميتها موجودة في مصادر مختلفة ، وعليه فإن الهدف من تأليف الكتاب بعنوان « **النباتات المزروعة في العراق واهميتها** » هو لدراسة هذه المعلومات وإعادة تنظيمها وتصنيفها على أساس أحدث الطرق العلمية المستعملة لهذا الغرض ، لتكون مصدراً متكاملاً يحوي جميع النباتات المزروعة في العراق بالوقت الحاضر .

يحوي الكتاب ٦٩٨ نوع من النباتات مصنفة حسب نظام Hutchinson ورتبت الأسماء العلمية في كل عائلة حسب ترتيب الحروف الإنكليزية ، ولكل نبات أعطيت المعلومات التالية حوله :

١. الأسم العلمي والذي يسبقه رقم التسلسل .
٢. الأسم الشائع بالإنكليزية والعربية والكردية والتركية .
٣. المنطقة التي يزرع فيها بالعراق.
٤. أهمية النبات واستعمالاته التي عبر عنها بشفرة لكل استعمال والتي يمكن حلها بعد الرجوع إلى دليل الأهمية
٥. مصدر أو مصادر عن النبات التي يمكن الرجوع إليها للحصول على معلومات نباتية أخرى كالوصف والرسوم لأجزاء مختلفة منه .

كذلك يحتوي الكتاب على تابع للنباتات التي تزرع في السنادين للزينة وتابع للنباتات التي أشير إليها من قبل المعشب الوطني العراقي في ابي غريب بأنها تزرع

في العراق ، وملحق للأسماء العلمية وملحق للأسماء الشائعة بالإنكليزية وبالعربية وبالكردية وبالتركية ومصادر مختلفة بالإنكليزية والعربية للنباتات التي تزرع بالعراق .

إن مجالات استعمال الكتاب واسعة حيث يمكن استعماله من قبل الطلاب والأساتذة المشتغلين في بحوث الزراعة والغابات وكل المهتمين بهذه النباتات وزراعتها .

ساهم عدد من زملائنا في مراحل مختلفة من تأليف الكتاب وبالاخص السيد أعظم ملك ، والدكتور سيد نعيم الحسن نقوي، والدكتور مشرف عزيز حسين، والدكتور عبدالمطلب سيد محمد ، والسادة عبدالهادي الساطان، نجم شليمون، وحسين عبدالمنعم ، إلى جميعهم نقدم جزيل شكرنا وتقديرنا إلى جهودهم القيمة . كذلك نقدم جزيل الشكر والتقدير إلى السيد صباح عبدالكريم عمر ، مدير النبات في وزارة الزراعة والإصلاح الزراعي لمراجعته مسودة الكتاب ولاقتراحاته القيمة. ونقدم جزيل الشكر إلى السادة أمجد زكريا وعبدالحميد الحيالي وأحمد نجم عبدالله والآخرين في مطبعة الجامعة على مساعدتهم في طبع الكتاب والله ولي التوفيق والسداد .

س م ح
م ح ق

رقم الايداع في المكتبة الوطنية ببغداد/٤٤٥ لسنة١٩٧٥

٣٢. غني ، عبدالهادي اسماعيل ، شاكر صابر الصباغ ، عفتان زغير الراوي . (١٩٧٢) زراعة الفاكهة في العراق ، وزارة التربية ، بغداد .

٣٣. الغرابي ، مهدي صالح . (١٩٧١) البطاطا ، انتاجها واستهلاكها في العراق ، وزارة التخطيط ، بغداد .

٣٤. فاندرفين . ج. ب. هـ. (١٩٥٩) محاصيل العلف والمراعي الأروائية في العراق ، مديرية البحوث والمشاريع الزراعية العامة ، وزارة الزراعة ، بغداد .

٣٥. قسم الأرشاد الزراعي . (١٩٦٧) التقويم الزراعي ، نشرة ١٦٣ ، مديرية الزراعة العامة ، وزارة الزراعة بغداد .

٣٦. قسم الارشاد الزراعي . زراعة الحمضيات في العراق ، نشرة ١٦ ، مديرية البحوث والمشاريع الزراعية العامة ، وزارة الزراعة ، بغداد .

٣٧. قسم الاقتصاد الزراعي والاحصاء . (١٩٧٢) ، دراسة تكاليف انتاج وايراد الدونة لأهم المحاصيل الحقلية في العراق ، نشرة ١٣ ، مديرية التخطيط والمتابعة ، وزارة الزراعة ، بغداد .

٣٨. قسم الاقتصاد الزراعي والاحصاء . (١٩٧٢) انتاج المحاصيل والخضر لموسم ٧٠، ٧١ نشرة علمية ١٧، وزارة الزراعة والاصلاح الزراعي ، بغداد .

٣٩. قسم الاقتصاد الزراعي والاحصاء . (١٩٧٢) انتاج المحاصيل والخضر الصيفية في العراق لموسم ١٩٧١، نشرة علمية رقم ١٩، وزارة الزراعة الاصلاح الزراعي ، بغداد .

٤٠. قسم الزينة والتشجير . (١٩٧٠) قائمة نباتات الزينة المعروضة في مزرعة الزعفرانية للموسم الزراعي ١٩٧٠ — ١٩٧١ . مديرية البستنة العامة ، وزارة الزراعة ، بغداد .

٤١. قسم الزينة والتشجير . (١٩٧١) قائمة نباتات الزينة المعروضة للبيع في مزرعة الزعفرانية للموسم الزراعي (١٩٧١ — ١٩٧٢) مديرية البستنة العامة ، وزارة الزراعة ، بغداد .

٤٢. الكركجي ، عبدالستار . (١٩٧١) الفول السوداني (فستق العبيد)، مديرية المحاصيل الحقلية العامة ، وزارة الزراعة ، بغداد .

٤٣. الكركجي ، عبدالستار عبدالله . (١٩٧٢) زراعة العصفر ، نشرة ٦٠، مديرية المحاصيل الحقلية العامة ، وزارة الزراعة ، بغداد .

ب— العامة :

١. مجلة الزراعة العراقية ، وزارة الزراعة ، بغداد .

٢. قسم الارشاد الزراعي ، رسالة المرشد الزراعي ، وزارة الزراعة ، بغداد.

١١. الجبوري ، نوفل محمد ، زيدان خلف حسين ، خالد نعمان ابراهيم . (١٩٧١) وصف ١١٠ أصناف من التمور العراقية . نشرة ارشادية ٣٨، شعبة النشر والطباعة — قسم النشر والاعلام — وزارة الزراعة ، بغداد.

١٢. حسن ، صلاح أحمد . (١٩٦٦) فحص البذور . وزارة الزراعه ، بغداد.

١٣. الدجيلي ، قاسم .(١٩٧٠) الجوت والجلجل في العراق زراعته ، استخداماته . الدائرة الزراعية ، وزارة التخطيط ، بغداد .

١٤. الراوي ، اسماعيل وعبدالشهيد محمدعلي . (١٩٧١) زراعة الحمضيات في العراق ، نشرة ٢٦ ، قسم النشر والاعلام ، وزارة الزراعة ، بغداد .

١٥. الراوي ، عفتان . (١٩٦٠) البطاطا الحلوة . نشرة ٤ ، قسم البستنة ، مديرية البحوث والمشاريع الزراعية العامة ، وزارة الزراعة ، بغداد .

١٦. الراوي ، عفتان وعبدالله عبدالجليل الحديثي . (١٩٦٥) وصف لأهم أصناف الخضر التي تزرع في العراق ، مديرية البحوث والمشاريع الزراعية العامة ، وزارة الزراعة ، بغداد .

١٧. الراوي ، عفتان (١٩٧١) زراعة البطاطا في العراق ، مديرية البستنة العامة ، وزارة الزراعة ، بغداد .

١٨. الراوي ، عفتان . (١٩٧١) زراعة البصل في العراق ، نشرة ٢١، مديرية البستنة العامة ، وزارة الزراعة ، بغداد .

١٩. الراوي ، عفتان . (١٩٧١) زراعة الطماطة في العراق ، نشرة ارتادية ١٩، قسم النشر والاعلام ، وزارة الزراعة ، بغداد .

٢٠. رمضان ، زيد ، وآخرون . (١٩٧٠) تقرير عن تطوير زراعة الفاكهة في شمال العراق . وزارة الزراعة ، بغداد .

٢١. السامرائي ، أحمد مهدي . (١٩٧٠) الأسس العلمية في انتاج محصول عباد الشمس ، نشرة علمية ١، مجلس البحث العلمي ، بغداد .

٢٢. سلمان ، طايس . (١٩٧٠) زراعة التفاح في العراق ، نشرة علمية ١، مديرية الإرشاد الزراعي العامة ، وزارة الزراعة ، بغداد .

٢٣. الشمري ، محمد وكاظم سلمان البدري . (١٩٧٤) فول الصويا : من المحاصيل الزيتية الهامة، نشرة ١١،المديرية العامة للتعليم المهني الزراعي ، وزارة التربية ، بغداد .

٢٤. الشماع ، وفقي وطارق طبرة . (١٩٦٠) تجارب أصناف ومواعيد زراعة القصب السكري في أبي غريب والعمارة للمواسم ٥٤ — ١٩٥٧ و ٥٥ — ١٩٥٨ . نشرة فنية ٥، مديرية البحوث والمشاريع الزراعية العامة ، وزارة الزراعة ، بغداد .

٢٥. الشماع ، وفقي . (١٩٦٦) أبحاث المحاصيل الحقلية في العراق . مطبعة المعارف بغداد .

٢٦. الصقار ، أحمد محمد . (١٩٥٥) القطن في العراق ، مجلة الزراعة العراقية مجلد ١٠: ٢، ٣ ٢٣٤ — ٢٥٣.

٢٧. الصقار ، أحمد . (١٩٦٨) الجوت والجلجل في العراق ، مديرية مصلحة المزارع الحكومية مزرعة الصويرة ، وزارة الزراعة ، بغداد .

٢٨. صابر ، شاكر . (١٩٧٠) تقرير عن زراعة الفاكهة في شمال العراق ، وزارة الزراعة ، بغداد .

٢٩. عبدالعباس ، محمد حسين . (١٩٦٥) الورد القائم ، مديرية البحوث والمشاريع الزراعية العامة ، وزارة الزراعة ، بغداد .

٣٠. عبدالله ، ياوز شفيق . (١٩٧٢) تشجير الشوارع داخل المدن وخارجها ، الجامعة ١٢ : ٢٧ — ٣٠ .

٣١. غني ، عبدالهادي اسماعيل . (١٩٦٥) زراعة الفاكهة في العراق . مطبعة الكرادة ، بغداد .

Thomas, R. & K. Sawhney. (1925) *A Report on Varietal Test with Cotton on the Government Experimental Station Baghdad in* **1922**. Dep. Agric. Iraq, Mem. No. 8, Pub. Empire Cotton Growing Corporation, Millbank House, London.

Townsend , C., E. Guest & A. Rawi (1968) *Flora of Iraq*,Vol. IX, Graminae by N. L. Bor. Min. Agric., Rep. Irq., Baghdad.

Townsend C.C. & E. Guest. (1966) *Flora of Iraq, Vol. II,* Min. of Agric., Rep. Irq., Baghdad.

Zohary, M. (1950) *The Flora of Iraq and Its Phytogeograpraphical Subdivisions.* Tech. Bull. 31, Govt. Irq, Min. Econ., Dir. Gen. Agric., Baghdad.

المراجع العربية

أ ــ الخاصة

١. ابو العيس ، رجاء محيي . (١٩٧١) الشعير. نشرة ارشادية ٣٩، قسم النشر والاعلام، وزارة الزراعة ، بغداد .

٢. أبو العيس ، رجاء محيي. (١٩٧٢) معلومات حول أصناف الحنطة في العراق ، نشرة ارشادية ٥٢ ، مديرية الإرشاد الزراعي العامة ، وزارة الزراعة ، بغداد .

٣. البكر ، عبدالجبار . (١٩٧٢) نخلة التمر : ماضيها وحاضرها والجديد في زراعتها وصناعتها وتجارتها ، مطبعة العاني ، بغداد .

٤. البعلي ، صادق عبدالغني . (١٩٤٦) الحدائق والأزهار ، الجزء الأول والثاني ، مطبعة الصباح ، بغداد .

٥. البعلي ، صادق عبدالغني ، كامل عبدالكريم . (١٩٧٠) الحدائق ونباتات الزينة ، وزارة التربية والتعليم ، بغداد .

٦. البعلي ، صادق عبدالغني . (١٩٦٧) الحدائق . مطبعة الادارة المحلية ، بغداد .

٧. الأحبابي ، محمود جاسم . (١٩٧١) البصل ، انتاجه وآستهلاكه في العراق . وزارة التخطيط بغداد .

٨. الأورفلة لي ، طارق . زراعة الحشيش السوداني . وزارة الزراعة ، بغداد .

٩. الأنصاري ، م ، جمال عبدالكريم وجعفر حلمي . (١٩٧٢) المحاصيل الحقلية . وزارة التربية ، بغداد .

١٠. تشاو ، لين فانج . (١٩٦٠) انتاج الرز في العراق . مديرية البحوث والمشاريع الزراعية العامة ، وزارة الزراعة ، بغداد .

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CULTIVATED PLANTS OF IRAQ AND THEIR IMPORTANCE

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UNIVERSITY OF MOSUL
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FOREWORD

The College of Science was first established in Mosul in 1963 by the University of Baghdad. In 1967,it came under the jurisdiction of the newly-founded University of Mosul. At that time, it consisted of six departments namely, Chemistry, Physics, Mathematics, Geology, Zoology and Botany. The last two were later merged to form the Biology Department.

The Botany section, which began undergraduate instruction in 1971 and graduate studies in 1974, has progressed at a remarkable pace, with regard to facilities, staff, students, teaching and research .

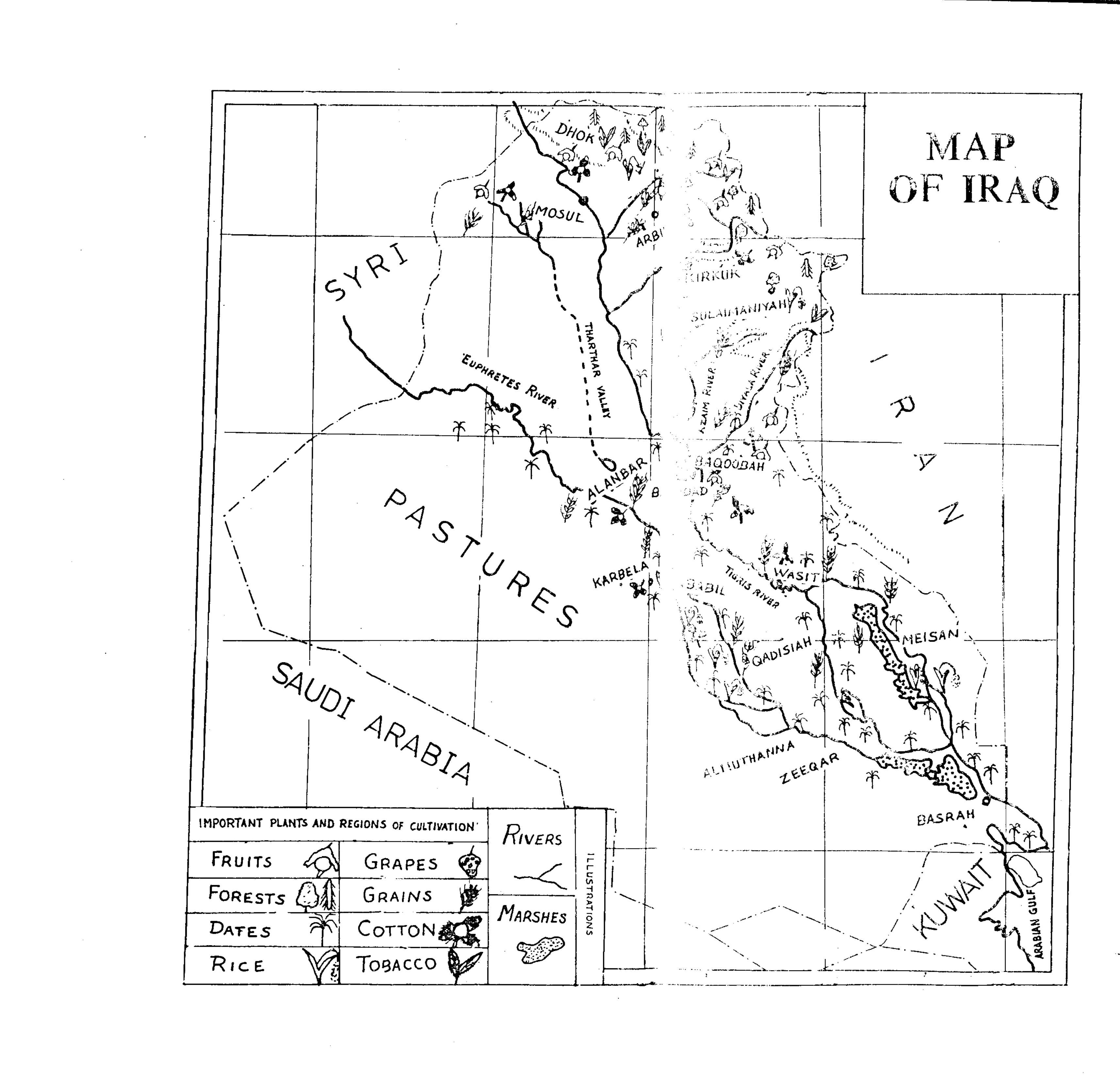
A number of research and publication projects are underway in Biology Department, in the field of applied research, with special emphasis on Iraq and its environs.One of these has come to fruition in the form of this book, which gives botanical informations concerning plant species cultivated in Iraq. This book is a notable addition to the botanical literature of this country.

I hope this tradition of scholarship will be maintained by the Department of Biology in the future, for which the college will provide all possble facilities and encouragement.

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July 21. 1975.



MAP OF IRAQ
DHOK
MOSUL
ARBI
SYRI
KIRKUK
SULAIMANIYAH
THARTHAR VALLEY
EUPHRETES RIVER
AZAIM RIVER
DIYALA RIVER
IRAN
BAQOOBAH
ALANBAR
PASTURES
KARBELA
WASIT
TIGRIS RIVER
MEISAN
QADISIAH
SAUDI ARABIA
ALMUTHANNA
ZEEQAR
BASRAH
KUWAIT
ARABIAN GULF
IMPORTANT PLANTS AND REGIONS OF CULTIVATION
FRUITS
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RICE
TOBACCO
RIVERS
MARSHES
ILLUSTRATIONS

INTRODUCTION

Reports on the cultivated plants of Iraq are scattered in literature and so are the informations regading their importance. This book is written with the aim of screening these informations and providing ready reference on the plants cultivated in Iraq and their importance.

The term "Cultivated Plants" includes all plants grown whether on a small scale or a large scale.

The study has revealed that at present approximately 829 plant species are cultivated and grown in Iraq; 698 species constitute the main text and the remaining 131 are included in addenda I and II. These plants have been arranged in this book up to families according to Hutchinson's System of Classification. The genera under each family and the species under each genus are arranged alphabetically. Important varieties are also indicated under the species wherever necessary. Important synonyms have also been included .

The following informations regarding each plant are given in the main text :

a. Scientific name of the plant preceeded by a serial number
b. Common names of the plant in English, Arabic, Kurdish and Turkish languages
c. Region of Iraq where the plant is cultivated
d. Importance indicated by means of an importance code (e.g. A Bb C Lm Sa Sb)which can be decoded by refering to the importance index
e. Citation of reference/s which consists of the name of the author followed by page number of his publication where further information such as report, description and / or illustration of the plant can be found .

The common informations for two or more consecutive species are deleted from the first ones and given under the last one.

The main text is followed by the "Importance Index" which includes (a) Code, (b) Importance. The serial numbers appearing under importance are cross-referenced to the main text.

The importance code may comprise of a capital letter alone (e.g. A I) or a capital and a small letter (e.g. Ba Sa Sb) .

The species mentioned in the main text belong to 433 genera, 118 families and 77 orders. Out of these species one belong to bryophytes, two to pteridophytes, 17 to gymnosperms and the rest to angiosperms. In angiosperms 573 species belong to dicots and 100 species to monocots. The most commonly cultivated plant species, asterisked in the main text, belong to the families Asteraceae (Compositae), Bignoniaceae, Caesalpinaceae, Chenopodiaceae, Cruciferae, Cucurbitaceae, Fabaceae, Labiatae, Malvaceae, Mimosaceae, Moraceae, Palmae, Poaceae (Gramineae), Rosaceae, Rutaceae, Solanaceae, Umbelliferae and Verbenaceae.

The species given in Addenda I and II are listed alphabetically under the families. The addendum I gives 67 decorative species which belong to 31 families including three Pteridophyte, 21 dicot, and seven monocot families. Addendum II consists of a list of 64 species reported by National Herbarium of Iraq, Abu-Ghraib, Baghdad. These species belong to 34 families of which 28 are dicots and six monocots.

Finally, the alphabetical indices of scientific, English, Arabic, Kurdish and Turkish names are given . The number appearing after each name refers to the serial number of the respective plant .

This book is intended for use by the students, teachers and research workers of botany, agriculture and forestry as well as agricultural and municipality workers .

MAIN TEXT

BRYOPHYTA, MUSCI, ACROCARPI

Fontinallaceae

1 *Fontinallis antipyretica Hedw.*

Willow moss (E), Fontinallis (A).
Grows in aquaria and ponds.
Importance: Gb Lc Ld
Conard 134.

PTERIDOPHYTA, FILICALES

Salviniaceae

2 *Salvinia natans All.*

Salvinia (E), Ghazizia (A)
Sometimes cultivated in aquaria and ponds, wild in the south.
Importance: Ga Gb Lc Ld
Townsend & Guest 61.

Adiantaceae

3 *Adiantum capillus–veneris* L.

Venus hair , Maidenhair fern, (E), Karafis al–beir,Kuzbara al–beir, Sha'r al–banat, Shajar al–banat (A), Koza lah (K).
Cultivated throughout the country, wild in the north.
Importance : I Lk Ln Lo
Townsend & Guest 63.

Cycadaceae

• 4 *Cycas revoluta* Thunb.

Sago palm (E), Saikas (A)
Cultivated in the center and south, in the north when protected.
Importance : E Lh Lm Ln Lo Oc
Bailey 98, Chamberlain 67.

• 5 *Zamia integrifolia* Ait .

Coontie, Florida arrowroot (E), Nakheel al-sarkhasi (A)
Cultived in the center and the south .
Importance : Lh Lm Ln Lo Oc
Chamberlain 67

GINKGOALES

• **Ginkgcaceae**

6 *Ginkgo biloba* L.

Ginkgo, Maidenhair tree (E), Ginkgo (A)
Occasionally cultivated in the gardens.
Importance : E Gd Lg Ln Lt Mn
Bnelaudeau 58.

CONIFERALES

Cupressaceae

• 7 *Cupressus arizonica* Greene

Rough bark Arizona Cyperus (E) Saroo Arizoni (A).
Occasionally cultivated, still in experimental stage.
Importance: A Lh Ln Lt Sb Sc Sd
Reader - Roitzsch 15.

• 8 *Cupressus Benthamii* Endl.

Cedrobalnco (E) Saroo Bentham (A).
Occasionally cultivated all over the country better in the north.
Importance: I Lh Lj Ln Lt Sb Sd
Sadiq 397.

• 9 *Cupressus macrocarpa* Hartw.

Saroo Benthami (A).
Occasionally cultivated all over the country , better in the north.
Importance: Lh Lj Ln Lp Lt Sb Sc Sd
Sadiq 397.

• 10 **Cupressus sempervirens* L.

var. *pyramidalis* (Targ-Tozz) Nym. - Ornamental
var. *horizontalis* (Mill.) Gordon - Afforestation
Italian Cypress (E), Saroo, Saroo Ofaqi, Saroo Amoodi (A),Saroo Aghaji, Ardeej Aghaji (T).
Grows well in the noth but under irrigation in the center.
Importance: A I Kd Ki Kk Kl Km Kn Lh Lj Lp Lt Mi Sb Sd
Reader - Roitzsch 12.

• 11 *Juniperus communis* L.

Common Juniper (E), A'ra'r a'di (A), Hafrist (K) Ardeej Aghaji (T).
Grows well in the north but can be grown throughout the country.
Importance: D I Kd Ki Lh Lj Ln Mh Pd Sc Sd
Bretaudeau 32.

• 12 *Juniperus oxybedrus* L.

Brown berried Juniper, Sharp Cedar, Red Juniper, Cade (E)
A'ra'r (A), Hafrist, Qach (K) Ardeej Aghaji (T).
Oeeasionally grown throughout the country, wild in the north.
Importance : D I Kb Kd Ki Lh Lj Ln Lt Mh Mi Pd Sb Sc Sd
Townsend and Guest 91.

• 13 *Juniperus polycarpos* C. Koch.

Syn : *J. macropoda* Boiss.
Himaliyan Pencil Ceder (E), A'ra'r (A), Harthrak Arbas (K).

Oeeasionally grown thoughout the country, specially in the north.
Importance: Kd Kj Lh Lj Ln Lr Lt Mh Pd Sb Sc Sd Se
Townsend and Guest 91.

14 * *Juniperus virginiana* L.
Red Ceder (E), A'ra'r virgini (A).
Cultivated all over the country but more in the north.
Importance : I Kd Ki Kj Kl Lh Lj Ln Lt Mh Pd Sc Sd Se
Bailey 126.

15 * *Thuja occidentalis* L.
Var. *compacta*
American Arborvitae, White Ceder, Thuja Tree, Tree of Life (E), A'fs, Thoya gharbia (A), Mazi Aghaji, Umr Aghaji (T)
Cultivated all over the Country.
Inpcstonce : I Kd Ki Kk Kl Lj Ln Lp Lt Sa Sb Sc Sd
Bretaudeau 28.

16 * *Thuja orientalis* L.
var. *aurea* and var. *aurea-nana*
Chinese Arborvitae, Oriental Arborvitae (E), A' fs, Thoya shargiyah (A).
Cultivated through out the country.
Importance : I Kd Lh Lj Ln Lt Sb Sc Sd
Reades-Roitzsch 11.

Pinaceae

17 *Cedrus Libanotica* Loud.
Lebanese Ceder (E), Urz (A).
Occastonally cultivated in the gardens.
Importance : Lh Ln Lt Sa Sd
Bretaudeau 53.

18 **Pinus halepensis* Mill.
var. *brutia*
Syn: P. *brutia* Tenn.

Aleppo pine, Zaweeta Pine, Brutian Pine, Calabrian Pine (E) Sanaubar halabi, Sanaubar al-brooti (A) Kash, Qash (K).
Cultivated all over the country, better in the north, native in Zaweeta.
Importance: A Kd Lh Lj Ln Lp Lt Mp Od Of Ph Sb Sd
Reader - Roitzsch 7.

19 *Pinus pinea* L.
Italian Stone Pine (E) Sanaubar Hejazi (A).
Cultivated in the north, specially in the gardens.
Importance: E Gd Lh Ln Lp Lt Sd
Reader - Roitzsch 10.

Araucariaceae

20 *Araucaria ex celsa* Koch.
Monkey Puzzle, Chile Pine (E), Arokaria (A).
Occasionally cultivated in the gardens of center and south.
Importance: Lh Lj Ln Lt
Bretaudeau 24.

ANGIOSPERMAE, DICOTYLEDONES, LIGNOSAE, MAGNOLIALES

Magnoliaceae

21 *Magnolia grandiflora* L.
Bull Bay (E) Maghnolia (A).
Sometimes cultivated in center and south.
Importance: I Lh Ln Lt
Bailey 416.

22 *Magnolia soulageana* Soul.
Magnolia (E) Maghnolia (A).
Sometimes cultivated in center and south.
Importance: Lh Ln Lr

ANNONALES

Annonaleae

• 23 *Annona reticulata* L.
Bullock's Heart, Custard Apple (E) Qushat, kashat (A).
Occasionally cultivated in the date gardens near Basrah.
Importance: Gd Hd Ln Lt
Bailey 419, Guest 6.

LAURALES

Lauraceae

• 24 *Cinnamomum camphora* Ness and Eberm.
Camphor tree (E) Daghsini, Darsini, Kafoor (A).
Occasionally cultivated in gardens.
Importance: D I Kd Ln Lt Mi Mp Sc
Bailey 423.

• 25 *Laurus nobilis* L.
True Bay, Sweet Bay, Laurel (E), Ghar, Loris (A).
Occasionally cultivated in gardens .
Importance: D I Kc Kl Lh Ln Lo Lt
Bailey 421.

ROSALES

Rosaceae

• 26 *Amelanchier integrifolia* Medic.
Service Berry, June Berry, Shadebush, Snowy Mespilus, Savoy Medlar (E) Mashmalah (A).
Occasionally cultivated as an ornamental shrub, occurs wild.
Importance: Lg Lj Ln Lr
Townsend and Guest 113.

• 27 *Chaenomales lagenaria* Koidz
Japanese quince (E) Safarjal yapani (A).
Occasionally cultivated.
Importance: Lj Ln Lr

• 28 *Cotoneaster acuminata* Lindl.
Cotoneaster (E), Kotoneester (A), Gaiz, Baluk (K).
Occasionally cultivated.
Importance: I Lg Lh Lj Ln Lr
Anderson 185, Bailey 505.

• 29 *Cotoneaster franchetii*
Cotoneaster (E), Kotoneester (A).
Occasionally cultivated.
Importance: Lg Lh Ln
Sadiq 438.

• 30 *Cotoneaster horizontalis* Decne.
Cotoneaster (E), Kotoneester (A).
Occasionally cultivated.
Importance: Lg Lh Ln Lr Mp
Bailey 504.

• 31 *Cotoneaster racimiflora* Koch.
Cotoneaster (E), Kotoneester (A), Kekef, Gaiz, Baluk, Kalasirk (K).
Occasionally grown as ornamental in north.
Importance: I Lg Lh Ln Lr Mp
Townsend and Guest 104.

• 32 *Crataegus Azarolus* L.
Azerolier, Oriental Hawthorn, Azarole (E) Za'roor (A) Guynha, Guyishk, Gawzhn (K).
Occasionally cultivated in plains and mountains. Growing well in Ba'quba Gardens.
Importance: Gd Hb Hc Lg Ln Lt Nc Sb
Townsend and Guest 116.

33 *~~Cartaegus~~ Crataegus monogyna* Jacq.
Hedge row Hawthorn, May tree, White Howthorn (E) Za'roor (A).
Cultivated all over the country. In Dayala gardens it is grown under irrigation.
Importance: Ba Gd Hb Hc Lg Lj Ln Lt Nc Pb Sd
Bailey 509, Townsend and Guest 117.

34 **Cydonia oblonga* Mill.
Quince, Cydonium (E), Safarjal , Haiwah (A) Bah hi (K) Haiwa (T).
Grown in north commonly but in center and south occasionally.
Importance: Gd Ha Hc I Lg Ln Lr Lt Mf Nc Pa Pb
Townsend and Guest 106.

35 *Eriobotrya japonica* Lindl.
Loquat (E), Bishmalah (A), Yangi dunya (T)
Occasionally cultivated in the gardens.
Importance: Gd Hb Hd Lh Ln Lr Lt Nc Oi Pb
Townsend and Guest 112.

36 *Fragaria chiloensis* Duch.
var. *annanasa* Bailey
Strawberry (E), Tooth al-ardh, Shilleek (A) Shleik, Chleik(K)
Occasionally grown in the gardens.
Importance: Bb Gd Hb Hc I Lg Li Ln Lw Ms Nc Ob Oi Pb.
Townsend and Guest 123.

37 *Photonia arbutifolia* Lindl.
Christmas Berry, California Holly (E), Fotinia (A)
Occasionally cultivated in the gardens.
Importance: Lh Lj Ln Lt
Sadiq 440.

38 *Prunus americana Marsh.*
Plum (E) A'jas amreeki (A)

Occasionally cultivated.
Importance: Gd Hb Hc Kc Ln Na Nc Od Pb
Bailey 540.

39 **Prunus amygdalus* Batsch.
var. *amara* DC. (bitter) and var. *dulcis* DC. (sweet)
Almond (E), Lauz (A), Bawi (K), Badam (T).
Grown in mountains and the plains of the north as well as in the parks and gardens of the center. Important places of cultivation are Atrush, Mosul, Rustamiyah, Zaweeta.
Importance: A E Gd Hc I Kd Kf Ki Kk Lg Ln Lt Mf Od Pc Q
Townsend and Guest 161.

40 **Prunus Armeniaca* L.
Local var. zaghinia, labib 4, banja; foreign var. blouheim, royal.
Apricot (E), Mishmish (A), Qaisi (K), Arbek (T)
Widely cultivated and is next to dates and oranges in importance.
Importance: Ba Bb Gd Hb Hc I Kc Kg Ki Lg Ln Lt Md Na Nc Pa Pb Pc Pd Q
Townsend and Guest 156, Bailey 541.

41 *Prunus avium* L.
Sweet Cherry, Mazzard Cherry (E), Karaz (A), Gilaz (K) Karaz (T).
Occasionally cultivated.
Importance: Ba Bb Gd Hb Hc Lg Ln Lt Na Nc Pa Pb Sa Sb Sc .
Bailey 544, Reader – Roitzsch 24.

42 * *Prunus ceracifera* Ehrh.
Myrobalan plum, Cherry plum, Marabella (E) A'jas, A'njas, Barqooq (A), Haloja, Halozaqah (K).
Widely cultivated in irrigated alluvial plains specially in orchards and citrus gardens.

Importance: Gd Hb Hc Kg Lg Ln Lt Mf
Reader – Roitzsch 23, Townsend and Guest 155.

43 *Prunus cerasus* L.

var. *semperflorens* W. Koch
All saint's Cherry, Everblooming Cherry, Sour Cherry, Morello Cherry (E), Karaz, Kilas, Karaz al-hamugh, Qarasiyah (A).
Grown in Kirkuk and Sulaimaniya .
Importance: Gd Hb Hc I Kc Kg Ki Lg Ln Lt Ms Od Pa Pb Sa Sc
Townsend and Guest 170, Reader – Roitzsch 24.

44 **Prunus domestica* L.

var. *italica* Schneid.
Greengage, Common Plum, Garden Plum (E), Ajas, Gaujah, Bar-qooq (A)
Widely cultivated through out the country.
Importance : Ba Bb Gd Hb Hc Lg Ln Na Nc Pa Pb Sa Sc
Bailey 540, Reader – Roitzsch 23 .

45 *Prunus Mahaleb* L.

Mahaleb, Saint Luice Cherry (E), Hab Mahleb, Mahleb Karzi (A)
Kenari, Malham, Mahaleb (K).
Cultivated in Sinjar and Sarsang.
Importance: D Gd Hb Hc I Lg Ln Lt Mt Pb Q Sa Sd
Bailey 544, Townsend and Guest 170.

46 *Prunus maritima* Marsh.

Beach plum (E) Ajas mariana (A).
Occasionally cultivated.
Importance : Gd Hb Hc Ln
Bailey 540 .

47 **Prunus persica* Batsch.

Nectarina (E), Khokh amlas (A)
Local var. muski, khatoon, ismaili; foreign var. *nectarina maxim.*
Peach (E), Khokh soofi (A)
Local var. mahalli; foreign var. alberta, martini, red june, okobo.
Widely cultivated in the north and the center.
Importance: Ba Bd Gd Hb Hc I Kh Lg Ln Lt Me Nc Od Oi Pa Pb
Bailey 542, Townsend and Guest 160.

48 *Prunus pissardi* Ehrh.

Syn. *Prunus ceracifera* Ehrh var. *pissardi*
Cherry plum (E), Gaujah zeena (A).
Cultivated in the center and the south mainly Kerbala.
Importance: Gd Hb Hc Kg Lg Ln Lt Pb
Bailey 510.

49 *Prunus saliciana* Lindl.

var. Beauty (early ripening) Golden japanese (late ripening)
Japanese plum (E) Ajas yapani (A).
Occasionally cultivated.
Importance: Gd Hb Hc Ln Nc
Bailey 540.

50 *Pyracantha coccinea* Roem.

var. *lanlandii* Dipp.
Firethorn (E), Byrecantha (A)
Occasionally cultivated
Importance: Lh Lj Ln Lr
Bailey 507.

• 51 *Pyrus callaryana* Decne.

Callary Pear (E) Sabahbah (A).
Occasionally grow in the center and south, growing well in Za'faraniya.
Importance: Lg Lj Ln Lp Lr Lt Mf
Townsend and Guest 110.

• 52 **Pyrus communis* L.

Pear (E) A'rmoot, Kumathra (A), Harmi (K).
Occasionally cultivated in the plains under irrigation, wild in the north
Importance: Ba Gd Hb Hc Kg Ln Lt Na Nc Oi Pb Sa
Bailey 514, Townsend and Guest 108.

• 53 **Pyrus malus* L.

Syn: *Malus sylvastris* Mill.
Apple (E), Tuffah (A), Sebo (K), Alma (T).
Cultivated in the northern mountain vallies and plains and orchards of the south.
Importance: Ba Bb Gd Ha Hb Hc I Kg Lg Ln Lt Nc Oi Pa Pb Q Sa Sd
Bailey 514, Townsend and Guest 110.

• 54 *Raphiolepis umbellata* Makino

Yeddo Hawthorn (E) Rafiolibis (A).
Occasionally cultivated.
Importance: Ln Lr Ob
Bailey 511.

• 55 *Rosa banksiae* R. Br.

var. *latea*
Bank's Rose (E), Wared (A).
Cultivated in the center (Kiradah, Za'farania, Baghdad).
Importance : Lh Ln Oh
Bailey 537, Townsend and Guest 151.

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• 56 *Rosa canina* L.

Dog hip rose, Dog rose (E) Wared al-qaim al-shajari, Wared al-Nasreen (A).
Wild in the north, sometimes cultivated.
Importance: I Lh Lj Ln Lr Mg Ms Oi
Bailey 535, Townsend and Guest 148.

• 57 **Rosa damascena* Mill.

Damask Rose, Red Rose (E) Wared, Wared al-Joori (A) wared (K) Fonja kol (T).
Cultivated throught the country.
Importance: D I Kd Kk Kl Lh Lj Ln Lr Mp Pc Pd
Bailey 535, Townsend and Guest 151.

• 58 *Rosa foetida* Herrm.

Austrian Brair, Persian Yellow Brair (E) Sheelan Sheelan(A).
Cultivated at the hillside as hedges in the northeast of the country.
Importance: Lh Lj Ln Lr Oi
Bailey 536, Townsend and Geust 144.

• 59 **Rosa moschata* Herrm.

var. *cama* Andr. and *Plana* West.
Musk Rose (E), Wared (A)
Cultivated in Mussaiyab, Karbala and other places in the south.
Importance: Kd Lh Lj Ln Lr Mp
Bailey 533, Townsend and Geust 150.

• 60 **Rosa multiflora* Thunb.

Rose (E), Wared (A).
Cultivated all over the country.
Importance: Lh Lj Ln Lr Lw
Anderson 97, Bailey 533.

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61 *Rosa nitida* Willd.

Rose E), Wared (A) .
Cultivated all over the country.
Importance: Lh Lj Ln Lr
Bailey 536.

62 *Rosa rugosa* Thunb.

Rugosa rose (E) Wared al-rujosa (A).
Cultivated through out the country.
Importance: Lh Lj Ln Lr
Anderson 93, 187, Bailey 536.

63 *Rosa wichuriana* Crepin

Climbing rose (E) Wared al-mutaslleq (A).
Occasionally cultivated.
Importance: Lh Lj Ln Lw
Townsend and Guest 151.

64 *Spiraea vanhoutei* Zabel

Spiraea (E) Sbeeria (A).
Occasionally cultivated.
Importance: Lh Lj Ln Lr
Bailey 498.

LEGUMINALES

Caesalpiniaceae

65 **Bauhinia purpurea* L.

Syn. *B. triandra* Roxb.
Camel's foot tree (E), Bohinia al-hamra, Khof al-jamal (A).
Cultivated in the center and south.
Importance: Lh Ln Lp Lt Mk Od Oh Ph Sa
Bailey 585.

66 **Bauhinia variegata* L.

Syn. *B. alba* var. *candida* & var. *variegata.*
Mountain ebony, Orchid tree (E) Khof al-jamal, Bohinia al-baidha (A) Dagh abnoosi (T).
Cultivated in the center and south.
Importance: Lg Lh Ln Lp Mk Ob Od Oh Ph Rb Rc Sa
Bailey 585.

67 **Cassia artemisoides* Gaud.

Senna (E) Kassia al-naemah (A).
Cultivated in the center and south.
Importance: Lh Ln Lr Mk
Bailey 586.

68 *Cassia corymbosa* Lam.

Senna (E), Kassia (A).
Occasionally cultivated in the south.
Importance: Lh Ln Lr Mk
Bailey 587.

69 *Cassia fasciculata* Michx.

Senna (E), Kassia (A).
Occasionally cultivated in the south.
Importance: Lh Ln Lr Mk
Bailey 586.

70 *Cassia fistula* L.

Purging Cassia, Golden Shower (E), Khiar shambar (A).
Occasionally cultivated in the south.
Importance: I Lh Ln Lt Mk
Bailey 587.

71 *Cassia occidentalis* L.

Coffee Sena, Negro Coffee (E), Kassia, Khiar Shambar (A).
Sena Makki (T).
Occasionally cultivated in south.
Importance: I Lh Ln Mk Mg
Guest 8.

72 *Cassia tomentosa* L.f.

Sena (E), kassia (A).
Occasionally cultivated in the south.
Importance: Lh Ln Lt Mk
Bailey 586.

73 *Cercis canadensis* L.

Red Bud (E) Arjawan (A).
Occasionally cultivated.
Importance: I Lg Ln Lt Mk Re
Bailey 585.

74 *Cercis siliquastrum* L.

Love tree, Juda's tree (E) Arjawan (A) Akhawan Ziwzelaq (K).
Cultivated in the north specially in Sulaimaniya,
Arbil and Zakho, but can be cultivated all over the country.
Importance :A Gc Lg Ln Lt Mk
Reader – Roitzsch 25.

75 *Delonix regia* Rafin.

Syn. *Poinciana regia* Bojer.
Royal Poinsiana, Flamboyant tree, Flame tree, Peacock flower(E)
Bonsiana (A) .

Cultivated around Basrah.
Importance: A Gc I Lg Ln Lc Mk
Bailey 586, Reader–Roitzsch 30.

76 * *Gleditsia triacanthos* L.

var. *elegantissima* (pyramidal crown)
var. *bujotti* (Pendulous)
var. *inermis* (thornless, fodder)
Trithorned acacia, Sweet locust, Sweet bean, Honey locust (E),
Gledeshia (A).
Cultivated through out the country.
Importance :Lg Lj Ln Lp Lt Mk Sa Sb Sc Sd
Bailey 588, Reader – Roitzsch 26.

77 * *Parkinsonia aculeata* L.

Ratma, Horse bean, Jerusalem tree (E) Seysaban,Showk al–behr
Showk al- Quds (A).
Cultivated all over country.
Importance: Gc Lg Lj Ln Lr Mk Sb
Bailey 588, Reader – Roitzsch 26.

78 * *Poinciana gilliesii* Hook.

Syn. *Caesalpinia gilliesii* Wall.
Brasuletta, Bird of Paradise, Nicker bean (E) Abu shwarib (A).
Cultivated all over the country.
Importance : Lg Lj Ln Mk
Bailey 589.

79 * *Sesbania aegyptiaca* Poir. (**)
Sesbania (E) Seysaban (A).
Cultivated in the middle and south.

(**)*Misplaced, actually belongs to Family Papilionaceae*

Importance: Ba Gc I La Lg Ln Mi Mk Ob Pf Sb
Guest 16.

80 *Tamarindus indica* L.

Tamarind, Tamarindo (E) Tamar al-hindi (A).
Occasionally cultivated in the south.
Importance: Bb D Gd Hd I Lh Ln Lp Lt Mk Na Nc Pb Sb
Bailey 587.

Mimosaceae

• 81 *Acacia arabica* (Lam) Willd.

Acacia, Babul, Gum tree (E) Showk al – Arab, Shajarat Samagh al – Arabi, Santt al-mahalli (A).
Cultivated around Basrah.
Importance : Lj Ln Lt Mk Mp Mr Od Oh Sa Sb Sc
Reader – Roitzsch 33.

• 82 *Acacia cultiformis* Cunn.

Knife acacia (E) Santt al–Ramadi (A).
Occasionally cultivated in the middle and south.
Importance : Lg Ln Lr Mk Ob Ph Sd
Bailey 591.

• 83 * *Acacia cyanophylla* Lindl.

Blue leaved Wattle (E) Akasia (A).
Cultivated in the middle and south and in the north up to Arbil and Mosul .
Importance: Lh Lj Ln Lr Lt Mk Ph
Reader – Roitzsch 35.

• 84 *Acacia farnesiana* Willd .
Syn. *Mimosa farnesiana* L .
Sweet acacia, Scented Acacia, Spindle pod wattle, Popiane,Popinax. Cassie, Huisache (E) Showk al-Sham, Fitnah (A) .
Occasionlly cultivated in the south.
Importance : Kd Kk Lg Lj Ln Lr Mk Od Oh Ph Sa Sc Sd
Bailey 590. Reader- Roitzsch 34 .

• 85 *Acacia longifolia* Willd.
Sydney Golden Wattle (E) Santt al- Ramhi (A) .
Occasionally cultivated .
Importance: Lh Ln Mk Ph
Bailey 591.

• 86 *Acacia salinga* Wendli
Green acacia (E) Santt al–akhdhar (A).
Occasionally cultivated
Importance: Gc Lh Ln Mk Ph
Bailey 592.

• 87 **Albizia julibrissin* Durazz
Silk tree (E) Shajarat al–harir (A).
Cultivated all over the country.
Importance: Lg Ln Lp Lr Lt Mk Od Ph
Bailey 385.

• 88 *Albizia lebbeck* Benth.
Syn. *Minmosa lebbeck* L.
Lebbeck tree, Woman's tongue tree, Circis tree, Indian wallnut (E) Barham, Labakh (A).
Cultivated mainly around Basrah and Baghdad.

Importance: Gc I Lg Lj Ln Lp Lr Lt Mk Ob Ph Sc
Bailey 593, Reader - Roitzch 40.

• 89 *Mimosa pudica* L.

Sensitive Plant, Humble Plant , Touch-me-not (E) Nabtah al-mustahiya, Sit al-mustahiyah (A).
Cultivated through out the country, more in middle and south.
Importance: Ln Lo Lr Ph
Bailey 589 .

•90 **Prosopis juliflora* (Sw.) D.C.

Algaroba, Mesquite (E) Masqat (A).
Cultivated in Arbil , Kirkuk , Sherqat, Baghdad and in the south.
Importance: Kc Lh Lj Ln Lp Mk Od Oe Ph Sd
Reader - Roitzsch 38.

Fabaceae

• 91 *Amphora fruticosa* L.

False Indigo, Bastard Indigo (E) Amfora (A).
Grown all over the country but not commonly.
Importance: Lh Ln Mk
Bailey 559.

• 92 *Arachis hypogaca* L.

var. Jeezah qaem, Mahalli maddad, Sini 40.
Goober, Ground nut, Arachis, Earth nut (E) Fistaq a'beed, Fool Sudani , Fistaq al-haql (A).
Grown all over Iraq but cultivation is scattared.
Importance: E Ff Gc Gd I Ka Kf Kh Kj Kl Mk Ob Pc Pe Pf Ph Sb
Bailey 554.

• 93 *Ceratonia siliqua* L. **

St. John's Beard , Carob (E) Kharroob (A).
Cultivated successfully in all parts of the country except extreme north.
Importance: Ba I Lh Ln Lp Lt Mk Mo Mq Od
Bailey 585.

• 94 **Cicer arietinum* L.
var. Mahalli (white)
Garbanzom Gram, Chick pea (E) Hemmas (A) Nok (K) Nokhud (T).
Cultivated only in the north.
Importance: Gc Gd I Mk Mq Oc Pe Pf Ph Q
Bailey 554.

• 95 *Clitoria ternatea* L.
Clitoria (E) Mazeriyoon hindi (A).
Cultivated in the north as annual and in the south as binneal.
Importance: I La Le Lw Ma Mk Ph Rb
Bailey 571.

• 96 *Coronilla glauca* L.
Crown vetch (E) Koronella Qurainah (A).
Grown all over the country but its cultivation is limited.
Importance: Lj Ln Lo Lr Mk Pe Pf Ph
Bailey 555

• 97 **Crotoiaria juncea* L.
Sunn, Sunn hemp (E) Qanab, Krotolaria (A).
Cultivated all over the country.
Importance: Fd Fg I Mk Pe Pf Pg Q
Bailey 564.

(**) *Misplaced, actually belongs to Family Caesalpinaceae*

• 98 *Dalbergia sissoo* Roxb.
Sissoo (E) Sheesham, Saysam, Sarsoo'a (A) Kunji (K).
Cultivated in the middle and south.
Importance: A I Lg Ln Lp Lt Mk Sa Sc
Reader - Roitzsch 45.

• 99 **Dolichos lablab* L.
Syn. *Lablab vulgaris* Savi,
Hyacinth bean, Bonavist, Lablab beans (E) Lablab (A).
Cultivated all over the country.
Importance: Gc Gd I Lb Li Lj Lw Mk Pb Pe Pf Ph Rb
Bailey 575.

• 100 *Erythrina cristagalli* L.
Cockspur, Coral tree (E) Bibi mattu (A).
Grows well in the middle and south.
Importance: Ln Lr Mk
Bailey 578.

• 101 *Genista monosperma* Lam.
Broom (E) Jenista (A).
Grown all over the country but cultivation is limited.
Importance: Ln Lr Mk
Anderson 61, Bailey 569.

• 102 *Glycine max* Merr.
var. Erido, Accadian and Mammoth yellow.
Soybean (E) Fool soya (A).
Occasionally cultivated.
Importance: Ff Gc Gd Kc Ke Kj Mk Pe Pf Pg Ph
Bailey 579.

• 103 *Indigofera dosua* Wall.
Indigo (E) Indikofera, A'das murr (A)
Occasionally cultivated in the south.
Importance: Ln Lr Mk
Bailey 563.

• 104 *Laburnum alpinum* Bercht and Presl
Syn. *Cytissus alpinus* Mill.
Scotch Laburnum (E) Labornum (A)
Occasionally cultivated.
Importance: Ln Lt Mk
Bailey 567, Bretadeau 134.

• 105 *Laburnum anagyroides* Medic.
Syn *L. vulgare* Bercht.
Golden chain, Bean tree (E) Labornum (A).
Occasionally cultivated
Importance : Ln Lt Mk Mt Q Sa
Bailey 566, Bretaudeau 134.

• 106 *Lathyrus hirsutus* L.
Rough pea, Vetch (E) Hartman (A).
Occasionally cultivated in the middle.
Importance: Mk Ph
Bailey 550,

• 107 *Lathyrus latifolius* L.
Everlasting peas (E) Bazalia moa'mmerah (A).
Occasionally cultivated in the north and the middle.
Importance: Lj Lw Mk
Anderson 163, Bailey 557.

• 108 **Lathyrus odoratus* L.
Vetchling . Sweet pea, Lathyrus (E) A'ter Bazalia zahriah, Bazla zuhur (A).
Widely cultivated all over the country.
Importance: Kd Kk Lb Li Lj Lv Lw Mk
Bailey 551.

109 *Lathyrus sativus* L.
Grass pea vine, Chickling vetch, Bitter vetch, Indian pea, grass pea (E) Jalban , Hartaman (A).
Cultivated as a winter crop in middle (Dayala and Baghdad)as well as in the north (Sulaimanya).
Importance: Gc Gd I Mk Pe Pf Ph Q
Bailey 551.

110 **Lens culinaris* Medic.
Syn. *L. esculentum* Moench.
Lentil (E), A'das (A) A'das , Nisik (K), Marjamouk (T).
Mainly cultivated in the north, also in Dayala and Anbaar.
Importance: Gc Gd Mk Pe Pf Pg Ph
Bailey 553.

111 *Lotus corniculatus* L.
var.cascade
Bird's foot trefoil (E) Lotus, Qurt (A).
Introduced in 1971 as a pasture plant.
Importance: Gc Mk Mm
Bailey 571.

112 *Lupinus Hartwegii* Lindl.
Lupin (E) Tirmis zehri (A).
Grown all over the country but cultivation is limited.
Importance: Gc Lb Li Mk Mn Pe Pf Ph
Anderson 77, Bailey 566.

113 *Medicago falcata* L.
Yellow flowered alfalfa (E) Jatt asfar (A), Danuk (K).
Occasionally Cultivated.
Importance: Gc Mk Mm Pe Pf Ph
Bailey 582.

114 *Medicago hispida* Gaerth.
Syn, *M. denticulata* Willd.
Toothed Burr clover (E) Jatt (A) Danuk (K)
Grown in the north.
Importance: Gc Mk Mm Pe Pf Ph
Bailey 582.

115 * *Medicago sativa* L.
Alfafa, Lucerne, Medic, Cuina grass (E) Jatt (A), Danuk, Yonia (K).
Cultivated all over the country.
Importance: Gc Gd I Kc Ke Mk Mm Mp Oc Pe Pf Ph
Bailey 582.

116 *Melilotus alba* Desr.
White sweet clover (E) Nufol al-abyadh (A).
Introduced in 1971.
Importance: Gc Mk Mm Pe Pf Ph
Bailey 583.

117 * *Melilotus officinalis* Lam.
Yellow sweet clover, King's clover, Yellow millot (E) Nufol, Handaqooq (A).
Occsionally Cultivated all over the country .
Importance : D Ga Gc I Mi Mk Mm Oe Pe Pf Ph
Bailey 583.

118 * *Phaseolus mungo* L.
Urd, Black gram, Mungo bean (E) Mash mahalli (A).
Cultivated all over the country except in the extreme south.
Importance : Ga Gc Gd Mk Mm Pe Pf Pg Ph Rb
Bailey 574.

119 * *Phaseolus vulgaris* L.
Kiddney bean (E) Fasoolia (A).
Cultivated all over the country .
Importxnce : Gc Gd Mk Pb Pf Pg Ph Rb
Bailey 574.

120 * *Pisum sativum* L.
var. *macrocarpon*
Garden pea, Edible podded pea (E) Bizalia, Bazalia (A).
Cultivated through out the country
Importance: Gd Mk Oe Pb Pf Pg Ph Rb
Bailey 553.

121 *Pueria thunbergiana* Benth .
Thunberg's Kudzu vine (E) Kudzu(A)
Grown mostly in the middle and south, may be good for the Cultivation in the north .
Importance: Gc Lw Mk Oc Ph
Bailey 577 .

122 * *Robinia pseudo-acacia* L.
var. *bossaniana* – good fnr avenue planting,
var. *dicaisneana* – good for ornamental Planting,
var. *inermis* – thornless, good for fodder,
var. *fastigiata* – produces a slender tree, and
var, *rectissima* – produces durable wood.
Locust tree, False Acacia, Whya tree, Silver Chain (E) Santt all-kazib, Robeenia (A), Salqam jejeki aghaji (T).
Cultivated throught the country but grows well in the north.
Importance: A Gc I Lg Ln Lp Lt Mk Oe Sa Sb Sd
Bretaudeau 132, Reader – Roitzsch 43.

123 *Sophora japonica* L.
Chinese Scholar tree, Japanese Pagoda tree (E) Sofora (A), Dildar (K, T).
Grown in the northern plains.
Importance : A Lg Ln Lp Lt Mk Ob Sa Sc Sd Se
Bailey 563 Bretaudeau 131.

124 *Spartium junceum* L.
Syn. *Genista juncea* Lau .
Weaver's Broom, Spanish Broom (E) Sheah shajari, Sit Khadeejah Sparthium, Rathm (A) Qater der naghi (T).
Cultivated all over the country specially in the north .
Importance: Fd Fe I Kd Lg Lj Ln Lr Mk Q
Bailey 570.

125 * *Trifolium alexandrinum* L.
var. *Itali* (Grown in the north),
var. *Masqawi* (grown in the middle and the south).
Egyptian clover, Barseem (E), Barseem (A).
Widely cultivated throughout the country.
Importance: Gc Mk Mm Pe Pf Ph
Bailey 581 .

126 *Trifolium incarnatum* L.
Crimson clover (E), Barseem al-ahmar (A).
Occasionally cultivated.
Importance: Gc Mk Mm Pe Pf Ph
Bailey 581.

127 *Trifolium repens* L.
White clover (E), Barseem al-abyadh (A).
Occasionally cultivated.
Importance: Gc I Mk Mm Pe Pf Ph
Bailey 581.

•128 **Trifolium resupinatum* L.

var. *maius* Boiss.

Persian clover (E), Barseem Erani (A).

Cultivated all over the country, sometimes occurs as escape from cultivation.

Importance: Gc Mk Mm Pe Pf Ph

Bailey 580.

•129 *Trigonella foenum-graecum* L.

Fenugreek seeds (E), Halbah (A), Shumli (K)

Cultivated all over the country.

Importance: D I Mk Pe Pf Ph

Bailey 583.

•130 *Vicia bengalensis* L.

Purple vetch (E), Hurtuman benghali (A), Polkah (K).

Cultivated in the north.

Importance: Gc Mk Mm Pe Pf Ph

Bailey 552.

•131 *Vicia dasycarpa* Ten.

Wooly pod vetch (E), Hurtuman (A), Polka (K).

Sometimes cultivated in the north.

Importance: Gc Mk Mm Pe Pf Ph

Bailey 552.

•132 *Vicia Ervilia* Willd.

Ervil, Bitter vetch (E), Hurtuman murr (A), Polkah (K).

Sometimes cultivated in the north.

Importance: Ga Gc Mk Mm Pe Pf Q

Bailey 552.

•133 **Vicia faba* L.

var. Iraqiah (small seeded)

var. Shamiah (large seeded)

Syn. *Faba vulgaris* Moench

Horse bean, Broad bean (E), Baqellah (A), Paqlah (K).

Cultivated all over the country except in sandy and saline soils.

Importance: E Gc Gd Mk Mm Oc Pb Pe Pf Pg Ph Rb

Bailey 543.

•134 *Vicia norbonensis* L.

Narborene vetch (E), Hurtuman (A), Polkah (K).

•135 *Vicia sativa* L.

Common vetch, Spring vetch (E), Hurtuman rabe'e (A), Polkah (K).

•136 *Vicia villosa* Roth.

Hairy vetch, Winter vetch (E), Hurtman shetwi (A) Polkah (K).

Occasionally cultivated in the north.

Importance: Gc Mk Mm Pe Pf Ph

Bailey 552.

•137 **Vigna sinensis* Endl.

Syn. *Dolichos sinensis* L.

Cowpea (E), Lobia, O'wain (A)

Cultivated as a summer crop all over the country.

Importance: Ga Gc Gd Mk Mq Pe Pf Rb

Bailey 576.

•138 **Wisteria floribunda* DC.

Syn. *W. multijuga*

P (3)

Japanese wisteria (E) Wisteria al-yapaniah (A).

• 139 **Wisteria fruticans* Poir.
Wisteria (E) Wisteria al-Amreekiah (A).

• 140 **Wisteria sinensis* Sweet
Chinese wisteeria (E) Wisteria seeniah (A).
Cultivated through out the country.
Importance : Ln Lw Mk
Anderson 63, Bailey 558.

ARALIALES

Araliaceae

• 141 **Hedera helix* L.
English Ivy (E) Lablab Inglizi (A).
Cultivated through out the country .
Importance : I Lg Lj Ln Lw Mr Ob Of Q Sa
Bailey 746.

Caprifoliaceae

• 142 *Abelia grandiflora* Rehd .
Abelia (E) Abeelia (A)
Occasionally cultivated .
Importance : Lh Lj Ln Lr
Anderson 171, Bailey 945.

• 143 **Lonicera japonica* Thunb.
Honey suckle (E) Wared al-a'sl, Khanemli (A).
Cutivated through out the country .
Importance : Lh Lj Ln Lw
Bailey 945.

• 144 *Lonicera morrawi* Gray
Honey suckle (E) Khanemli morwai (A) .
Occasionally cultivated .
Importance : Le Lj Ln Lr Lw
Bailey 943.

• 145 *Lonicera periclymenum* L.
Honey suckle, Woodbine (E) Khanamli (A).
Cultivated in Mosul and Baghdad .
Importance : A Lh Lj Ln Lw
Bailey 941.

• 146 *Sambucus canadensis* L.
American Alder, Sweet Alder (E), Sambukus (A).
Occasionally cultivated in the north .
Importance : Ba I Kd Ln Lr Mp Nc
Bailey 935.

• 147 *Weigelia florida* A. Dc.
Wigelia (E) Wijalia (A) .
Occasionally cultivated .
Importance : Lj Ln Lr Na
Bailey 946.

HAMAMELIDALES

Platanaceae

• 148 **Platanus acerifolia* Willd
London plane tree (E), Janar landani (A), Chanar (K).
Cultivated all over the country better in north.
Importance: A Lg Ln Lt Sa Sc Sd
Bailey 493.

149 **Platanus occidentalis* L.
Button wood , American plane tree (E) Janar gharbi (A) Chanar (K).
Cultivated all over the country but better in the north.
Importance : Lg Ln Lt Sa Sc Sd
Bailey 493, Reader-Roitzsch 49.

150 **Platanus orietalis* L.
Oriental Sycamore, Oriental plane tree (E) Janar sharqi(A) Chanar (K), Dulb (T) .
Cultivated all over the country, better in north .
Importance : A I Lg Ln Lp Lt Sa Sd Sc
Bailey 492, Reader-Roitzsch 47.

Buxaceae

151 **Buxus sempervirens* L.
var. *suffruticosa* L.
Common box tree (E) Shimshar (A)
Cultivated through out the country, better in the north.
Importance: Lh Lj Ln Lp Lr Sa Sc
Bailey 623.

SALICALES

Salicaceae

152 **Populus alba* L.
Abele, White poplar, Silver leaf poplar, (E) Hoor, Khor, Qough abiyadh, Qough roomi (A) Qwach, Qwagh dimishqi (K).
Cultivated through out the country specially in the north.
Importance: I Lg Ln Lt Oa Sa Sc Sd Se
Bailey 321, Reader-Roitzsch 52.

153 **Populus euphretica* Oliv.
Euphretes Poplar (E) Hoor al-furati, Gharab (A) Pallt (K).
Cultivated in the south, wild in the north.
Importance: A I Lg Ln Lt Sa Sb Se
Reader-Roitzsch 55.

154 **Populus nigra* L.
var. *thevestiana* Dode, Local var. khatooni, Shattan
Black poplar (E) Hoor, Howar, Qowagh aswad (A) Ispindar, Spindar, Spidar (K).
Cultivated in the northern mountain vallies and southern date gardens.
Importance: A I Lg Ln Lt Oa Of Sa Sb Sc Se
Reader-Roitzsch 58.

155 **Salix acmophylla* Boiss.
Willow (E) Safsaf, Gharab (A), Bi, Bihok (K), Suqud, Suqud Aghaji (T).
Cultivated through out the country
Importance: A Fe I Lg Ln Lt Lw Ph Sb
Reader-Roitzsch 50.

156 **Salix aegyptiaca* L.
Syn. *S. medimii*
Egyptian willow (E) Safsaf masri (A).
Cultivated all over the country.
Importance: Fe Lg Ln Lt
Sadiq 424.

157 **Salix alba* L.
White Willow, European Willow (E) Safsaf al-fudhi, Safsaf abyadh, Gharab (A) Bi, Bihok (K), Saqud, Saqud Aghaji (T).
Cultivated through out the country , especially in the north.
Importance: Fe I Lg Ln Lt Ms Ph Sa Sb Sc Sd Se
Bailey 320, Reader-Roitzsch 52.

158 **Salix babylonica* L.
Chinese willow, Weeping willow (E) Safsaf babili, Safsaf baki, Safsaf mustahi (A) Bi shang, Shanga bi, Shorebi (K).
Cultivated all over the country.
Importance: Fe I Lg Ln Lr Od Sa Sb Sc
Bailey 320, Reader-Roitzsch 53.

159 **Salix purpurea* L.
Purple osier willow, Purple Willow (E) Safsaf arjawani (A).
Cultivated all over the country also occurs wild.
Importance: Fe I Lg Ln Lt Mp Sb Sd
Sadiq 424.

FAGALES

Fagaceae

160 **Quercus infectoria* Oliv.
Nut gall (E), A'fs (A), Mazu (K) Mazi Mishi Aghaji (T).
Occasionally cultivated, wild in the north.
Importance: Ln Lq Lt Ob Oh
Reader-Roitzsch 67, Sadiq 440.

161 **Quercus persica* Jaub and Spach.
Manna Oak (E), Balloot (A), Barro (K), Mishi Aghaji (T).
Cultivated in the northern Kurdistan region.
Importance: Gd I Lg Ln Lt Mp
Sadiq 440.

JUGLANDALES

Juglandaceae

• 162 *Carya illinoensis* Koch.
Pecan (E) Jauz amreeki (A).
Recently introduced, cultivated in Baghdad and in the north.
Importance: A E Gd Ka Kc Kf Lg Ln Lt Ob Pa Pc Pd Sb Sd
Bailey 325, Reader-Roitzsch 81.

• 163 *Juglans nigra* L.
Black Walnut (E) Jauz al-aswad (A)
Occasionally cultivated, recently introduced, large scale plantation unsuccessful .
Importance : E Gd Ke Lg Ln Lt Sc Sd
Bailey 324, Reader-Roitzsch 80.

• 164 **Juglans regia* L.
Butter nut, Persian Walnut (E) Jauz (A) Gauz, Guiz (K) Jawaiz (T).
Cultivated in the northern (Kurdistan) region.
Importance : E Gc Gd I Kc Kd Kj Kl Ln Lt Mi Nb Ob Oh Pa Pc Pd Sa Sb Sc Sd
Bailey 524, Reader Roitzsch 78.

CASUARINALES

Casuarinaceae

• 165 *Casuarina cunninghamiana* Miq .
Beef wood , River she-oak, White Oak (E) Kazwarina (A), Kazurina (K) .
Occasionlly cultivated, better in south and middle.
Importance : Lh Ln Lt Sa
Reader-Roitzsch 81-86.

• 166 * *Casuarina equisetifolia* Forst .
Iron wood, Beef wood tree, Swamp she-oak, Horse tail tree (E) Tarweena, Falwa, Sanauber asterali, Kazwarina (A), Kazurina (K).
Cultivated all over Iraq, better in the south and center.
Importance : A I Lh Ln Lp Lt Sa Sd
Bailey 316, Reader-Roitzsch 81-86.

•167 * *Casuarina stricta* Dry .
Shingle oak, Drooping she-oak, tail tree. (E) Kazwarina (A), Kazurina (K).
Cultivated in the center center and south
Importance : Lh Ln Lp Lt Sa Sc Sd
Bailey 316, Reader-Roitzsch 81-86.

URTICALES

Ulmaceae

168 * *Celtis australis* L.
European Hackberry, European Nettle tree (E) Mees (A) Tawuk (K).
Cultivated in and around Baghdad, occasionlly in the north.
Importance : E Gd Lg Ln Lt Sa Sc Sd
Brataudeau 90, Reader-Roitzsch 89.

•169 *Celtis occidentalis* L.
Hackberry, Beaver wood (E) Mees gharbi (A).
Occasionally cultivated .
Importance ; Lg Ln Lt Sa Sc Sd
Bailey 335.

•170 *Celtis orientalis* L.
Hackberry, Sugar berry (E) Mees sharqi (A).
Occasionally cultivated .
Importance: Lg Ln Lt Ma Sd
Bailey 335 .

•171 *Ulmus carpinifolia* Gled .
Smooth-toothed Elm, Common Elm, (E) ,A' ra' r (A), Qarah Aghaji (T) .
Occasionally cultivated in the north.
Importance : I Ln Lt Mp Ms Sa Sc Sd
Bailey 334, Reader-Roitzsch 87.

Cannabinaceae

•172 *Cannabis sativa* L.
Marijuana, Indian Hemp (E), Hasheeshah, Qanab (A).
Cultivated in the northern regions.
Importance : Fd Fe Fg Ga Gc Gd I J Kc Ke Kh Kj Kl Of Q
Bailey 341, Al-Rawi 36.

•173 *Humulus lupulus* L.
European Hop (E) Hasheesha al-deenar (A).
Occasionally cultivated .
Importance : I Kd Lg Lh Lw
Bailey 341.

Moraceae

•174 *Broussonetia papyrifera* L'Her
Paper mulberry (E), Tooth al-warqi (A).
Occasionally cultivated.
Importance: Fc Fd Ln Lt
Bailey 337, Brataudeau 104.

•175 *Ficus bengalensis* L.
Banyan tree (E), Fikus benghali (A).
Occasionally cultivated.
Importance: Ba Fd Fe I Lg Ln Lt Mj Sa Sc Sd
Bailey 340.

•176 **Ficus carical* L.
var. *rupestris* Hauskn et Boiss.
Common Fig, Fig tree (E), Teen (A), Henjir, Hejir (K), Anjeer (T).

Widely cultivated through out the country specially in the north.
Importance: Gd Hb Hd I Ln Lt Mj Mn Ms Nc Pa Pb
Bailey 339, Reader-Roitzsch 92.

• 177 *Ficus elastica* Roxb.

Ficus, Indian Rubber plant (E) Shajarat Matat-alhindi (A).
Cultivated all over the country in shaded condition, grows best in the south .
Importance: Lh Ln Lo Lt Mp
Bailey 340.

• 178 *Ficus pumila* L.

Okgue, Creeping Fig (E) Teen al-zaahef (A).
Cultivated in the middle and south.
Importance: Fd Lh Ln Lw Mp Od
Bailey 339.

• 179 *Ficus religiosa* L.

Bo-tree, Peepal (E), Teen al-asnam (A).
Cultivated in the middle and south.
Importance: Ge I Lh Ln Lp Lt Mn
Bailey 339, Reader-Roitzsch 94.

• 180 *Ficus retusa* L.

Ficus (E) Fikus (A).
Occasionally cultivated.
Importance: D I Lh Ln Lt Re
Bailey 340.

• 181 **Morus alba* L.

Weeping mulberry, White Mulberry(E)Toot, Tooth(A)Ti, Tee, Tu(K).

Cultivated through out the country.
Importance: Ga Gd Ge Hb Hc I Lg Ln Lp Lt Na Nc Sb Sd
Bailey 337, Reader-Roitzsch 90.

• 182 **Morus nigra* L.

Black Mulberry, Sycamine (E), Tooth, Tooth aswad, (A), Tee, Tu (K), Qarah tooth, Tooth (T).
Cultivated through out the country.
Importance: Gd Ge Hb Hc I Lg Ln Lt Na Nc Ob Pd Sb Sc Sd
Bailey 337, Reader-Roitzsch 92.

• 183 *Morus rubra* L.

Red Mulberry, American Mulbery (E) Tooth al-ahmar (A).
Occasionally cultivated.
Importance: Gd Hb Hc Lg Ln Lt Na Nc Ob Pd Sb Sc Sd
Bailey 337, Brataudeau 103.

THYMELEALES

Nyctaginaceae

• 184 **Bouganvillea glabra* Chois.

Bougainvellea, Chinese paper flower (E) Jahannamiah (A).
Cultivated all over the country.

• 185 **Bougainvillea spectabilis* Willd.

Bougainvillea, Chineae paper flower (E) Jahannamiah (A),

Cultivated all over the country except extreme north.
Importance: Lh Lj Ln Lw Sb
Bailey 358.

186 **Mirabilis jalapa* L.

Four O'clock plant, Marvel of Peru (E) Lala Abbas (A) Haft Rang (K), Karja safa. (T) .
Cultivated through out the country,.
Importance : I La Li Ln Lo Ob Pd
Sadiq 340.

PROTEALES

Proteaceae

187 *Grevillea robusta* Cunn,

Warragarra, Silk Oak (E), Sindian, Karfeelia (A).
Grown in the middle and south .
Importance : Lh Ln Lp Lt Sa Sc Sd
Bailey 345.

PITTOSPORALES

Pittosporaceae

188 **Pittosporum tobira* Ait.

Tobira, Japanese pittosporum (E) Betosborum (A).
Cultivated all over the country.

ImportanceL: h Lj Ln Lr Lu
Bailey 488.

TAMARICALES

Tamaricaceae

189 *Tamarix aphylla* Karst.

Syn. *T. articulata* Vahl, *T. orientalis* Forsk,
Athel Tamarisk, Jointed .Tamarisk(E)Athel, Turfa(A),Yulghoom(T).
Cultivated in the lower plains .
Importance: I Lh Lj Ln Lp Lr Lt Mp Ob Oh Sb Sc
Bailey 678.

190 * *Tamaarix parviflora* Pall.

Tamarisk (E), Athel (A).
Cultivated through out the country.
Importance : Lh Lj Ln Lr Lt Sb
Bailey 678.

191 * *Tamarix pentandra* Pall.

Syn. *T. hispida* .
Kashghar Tamarisk (E) Athel hisbida (A).
Cultivated all over the country.
Importance : Lh Lj Ln Lr
Bailey 678.

VIOLALES

Vioaceae

192 * *Viola odorata* L.

Garden violet, Florist's violet (E), Banafsaj, Banafshah (A).

Cultivated all over the country .
Importance : I Kd Lb Li Lk Ln Lo Ms Pc
Amderson 55 , Bailey 684 .

193 *Viola tricolor* L.

var. *hortensis* D.C.
Pansy, Heartsease (E) Zehrat al-Thalooth, Soorah, Banseh, Bansiah (A).
Occasionally cultivated .
Importance : I Lb Li Lk Ln Lo
Anderson 55, Bailey 686.

PASSIFLORALES

Passifloraceae

194 * *Passiflora caerulea* L.

Passion flower (E) Wared al-Sa'ah (A) Sa'at Koli, Charkhe falak (T).
Cultivated through out the country.
Importance : Lh Ln Lw
Anderson 165.

195 * *Passiflora incarnata* L.

Apricot vine, Passion flowers, Maypop (E), Zehrat al-alam, Wared al-Sa'ah (A) Sa'at Koli, Charkhe falak (T).
Cultivated through out the country.
Importance :I J Lh Ln Lw Nc

196 *Passiflora quadrangularis* L.

Giant granadillo, Barbadine, Granadilla real (E) Wared al-sa'ah (A).
Cultivated through out the country.
Iportance : Bb Gd Hd Lh Ln Lw Nc Rb
Bailey 691 .

CUCURBITALES

Cucurbitaceae

197 *Beneincasa hispida* Cogn.

Wax gourd, White gourd, Ash gourd, Chinese preserving melon (E), Qar'silahi, Shijar abyadh al-hindi (A), Hindustan qabaghi (T) .
Occasionally cultivated .
Importance : Gd I Lj Lw Nb Nc Rb
Bailey 953, Chakravarty 80.

198 * Citrullus vulgaris L.

syn.*Colloeynthis citrulus*
var. *viridis, albidus, Nigro; Seminius, Varilgatus, Rotundus, Minor, Shami, Pulcherrima; Oblongus, varigatus, Pumilus.*
Water melon (E) Raqqi, Shimzi, (A) Shoqi (K), Qarbooz (T) .
Cultivated through out the country in irrigated fields and sandy river beds.
Importance : E Gd Hb Hc I Kg Nc Oe Pb
Bailey 953, Chakravarty 80.

199 *Cumis melo* L.

varieties : oblongus, rugosus, kirkukensis, flexuous, shauki, cucurbitacious, depressus, rotundus, turensis, major, samarensis, fraiduni, ovatus, reticulatous, varigatus, suavis, baqubensis, minimus, shimmam, rafednapsi, ovatus.
Musk melon, Cantaloupe, Sweet melon (E) Bateekh (A) Kalak Jandorah (K), Qavoon (T).
Cultivated from Mosul to Basrah
Importance : E Gd Hb Hc I Kg
Bailey 955, Chakravarty 86.

200 *Cucumis propheterum* L.

Gherkin (E), Kulaira (A), Gul khandan (K).
Occasionally cultivated
Importance : I Lj Lw Q
Chakravarty 106.

201 * *Cucumis sativus* L.

Cucumber (E), Khiar mai (A) Aroo, Khiar (K).
Cultivated all over the country in sandy beds.
Importance : Gd I Nb Rb Re
Bailey 955, Chakravarty 102.

202 * *Cucurbita maxima* Duchn.

Red gourd, Red Pumpkin, Winter Squash (E) Shijar askala (A) Kadola (K), Qabagh (T).
Cultivated all over the country.
Importance : E Gd I Kg Rb
Bailey 952, Chakravarty 130.

203 * *Cucurbita moschata* Duch.

Cushaw, White crook neck squash , Indian gourd, Indian pumpkin (E) Shijar (A) Kadoo, Kolakap (K) Qabagh (T).
Cultivated through out the country .
Importance : E Gd I Rb
Chakravarty 129.

204 * *Cucurbita pepo* L.

var. *melopepo* Alef (Bush Summer pumpkin).
var. *ovifera* Alef (Yellow flowered gourd).
Vegetable marrow, Field pumpkin (E) Shijar (A) Kolakah (K) Qabagh (T).
Cultivated all over the country .
Importance : E Gc Gd I Pa Rb
Bailey 952, Chakravarty 128.

205 * *Lagenaria siceraria* Standl.

Calabash, Bottle gourd (E) Qarasabahi, Qara' (A) Qarah (K) Bagh (T).
Cultivated through out the country.
Importance : Gd I Lw Ml Rb
Bailey 954, Chakravarty 60.

206 *Luffa acutangula* Roxb.

Dish cloth gourd, Angular sponge Luffa (E) Leef (A) Kaddok (K) Leefkah (T).
Occasionally cultivated in the middle and south.
Importance : Fc Gd I La Lw Mc Rb

207 * *Luffa cylindrica* Roem.

Vegetable sponge, Towel gourd, Sponge Luffa, (E) Leef, Aloof (A), Kaddoo (K), Leefkah (T).
Cultivated through out the country .
Importance : Fc Gd I La Lj Lw Mc Rb
Bailey 953.

208 *Momordica balamina* L.

Balsam apple (E) Momordika (A).
Cultivated through out the country.
Importance : Gc Gd I La Lj Lw Rb

209 *Momordica charantia* L.

Balsam pear, Balsam cucumber, Bitter gourd (E) Kulairah (A) Karela (K), Ajaib Illmasi, Kola khandan (T).
Cultivated through out the country.
Importance : Gd I La Lj Lw Rb
Bailey 956.

210 *Trichosanthes anguina* L.

Serpent gourd, Snake gourd (E)
Occasionally planted .
Importance : Gd Rb
Bailey 956, Chakravarty 59.

Begoniaceae

211 * *Begonia* sp.

Begonia, Elephant Ear (E), Bekonia (A).

Cultivated through out the country as ornamental.
Importance : Lj Li Lk Ln Lo
Bailey 694, Sadiq 491.

CACTALES

Cactaceae

212 *Cereus pasacana*

Hedge cactus (E) Subair al–shama'h ,Subair al–shama'h al–dhakham (A).

213 *Cereus peruvianus* Mill .

Subair al- Shama'h al- Beru (A) .

214 *Cereus validis* Haw .

Subair al-Shama'h al- azraq . (A).
Cultivated all over the country .
Importance : Ln Lo Ls
Bailey 711 .

215 *Echinocactus Grusonii* Hild .

Golden ball cactus, Echinocactus (E) Subair al- kurawi saghir Abu toba (A).
Cultivated through out the country.
Importance : Ln Lo Ls
Bailey 709 .

• 216 *Eriocreus tortuosus* Riccobono

Subair Hayyah, Subair Shama'h al- multawi (A).
Commonly cultivated through out the country .
Importance : Ln Lo Ls
Bailey 713 .

• 217 *Mamilaria* sp. Haw .

Dimpling Cactus (E) Mamilaria (A).
Cultivated through out the country .
Importance : Ln Lo Ls
Bailey 706 .

• 218 * *Opuntia ficus- indica* L.

Prickly pear, Cactus (E) Obanshia, Sabrah, Teen al- shoki (A).
Cultivated all over Iraq .
Importance : Gd Hc Lj Ln Lo Ls Na Ne
Bailey 703 .

219 *Trichocereus spachianus* Reccobono

Subair al- Shama'h qaseer al- qaem (A).
Cultivated through out the country .
Importance : Ln Lo Ls
Bailey 713 .

TILIALES

Tiliaceae

• 220 *Corchorus Capsularis* L.

Jute (E) Jute hindi al-akhdhar, Mulukhiya (A) .
Sometimes cultivated in the south .
Importance: Fd Fg I Re

• 221 *Corchorus olitorius* L.

Nalta jute (E) Jute hindi al-ahmar, Mulukhiyah;A).
Grown in the south .
Importance : Fd Fg Od Re
Bailey 654 .

• 222 *Grewia tiliaelifoli* Vahl .

Dhamani Phalsa (E) .
Occasionally cultivated .
Importance : Gc Gd Lg Lj Ln Lp Lr Lt Ob Sa Sd
Guest 11 .

223 *Tilia cordata* Mill .

Linden, Basswood, Lime (E), Teelia (A) .
Grown in the regions north of Mosul .
Importance : Ln Lt Sa Sc Sd
Bailey 653, Brataudeau 84 .

Sterculiaceae

• 224 *Brachychiton acerifolium* Muell .

Flame tree, Bottle tree (E) Setarkulia (A) .
Cultivated in the north and some times in the middle .
Importance : Lh Ln Lp Lt Sd
Reader-Roitzsch 137 .

• 225 * *Brachychiton populneum* R. Br .

Kurrajong, Bottle tree (E) Setarkulia daematul khadhra (A) .
Cultivated all over the country specially in the middle and south.
Importance : Lh Ln Lp Lt Sd
Bailey 669 .

226 *Firmania simplex* Wight .

Firmiana

Chinese parasol tree, Phoenix tree (E).
Occasionally cultivated .
Importance : Lh Ln Lp Lt Sc Sd
Bailey 670 .

Bombacaceae

227 *Bombax malabaricum* DC.

Silk cotton tree (E) Deebaj (A) .
Cultivated in the middle and south .
Importance : Fb I Ln Oa Od Of Sd
Bailey 666, Reader-Roitzsch 136 .

MALVALES

Malvaceae

228 * *Abutilon theophrastii* Medic.

Button weed, Velvet weed, Flowering mapple (E) Jut manshoori(A).
Cultivated in the middle and south .
Importance : Fb Fg
Bailey 660 .

229 * *Althaea rosea* Cav.

Holly hock (E) , Khatmah, Wared al-khatmah (A) Gul hero (K)
Khatmi (T) .
Cultivated through out the country .
Importance : I La Lb Le Lj Lk Ob
Bailey 658 .

230 * *Gossypium herbaceum* L .

var . Sinjar (Matresses)
Asiatic cotton, Levant cotton (E) , Qatan, Qatan Asiawi (A) Looka,
Bahmu (K), Bamooq (T) .

231 * *Gossypium hirsutum* L .

varieties : Akala Rojers (Middle and south) .
Cooker Wilt (North), Akala old
American Cotton, Upland Cotton (E) Qatan, Qatan Amreeki
(A) Lookah, Bahmu (K) ,Bamooq (T) .
Cultivated all over the country .
Importance : Fb Fd Fg Gc Gd I Ka Kc Kg Kh Ki
Kl Oa Kj Ob Oe Oh Pd Pf
Bailey 663 .

232 * *Hibiscus cannabinus* L .

Kenaf, Decan hemp, Ambri hemp, Gambo hemp, Java jute, Mesta
(E) ,Qanab hindi, Jil jil (A) .
Cultivated in the middle and south .
Importance : Fg I
Bailey 665 .

233 * *Hibiscus esculentus* L .

Okra, Gumbo, Lady finger (E) Bamiah (A) .
Cultivated all over the country .
Importance : Fd Fg Gd I Pb Rb
Bailey 664 .

234 *Hibiscus mutabilis* L.

Cotton rose (E) ,Khatma mutabilis (A) .
Occasionally cultivated .
Importance : La Ij
Bailey 666 .

235 * *Hibiscus rosa-sinensis* L .

China rose, Shoe flower, Chinese hibiscus (E) Jamal , Khatmah, Shajar al-Khatmah (A), Jeen Koli (K).
Cultivated in the center and south .
Importance : I Lb Lh Lj Ln Lr Pd
Bailey 665 .

236 *Hibiscus sabdariffa* L .

Rosella, Jamica Sorrel, Red Sorrel, Rama (E) Karkadiah (A) Jai Kojarat (T) .
Cultivated all over the country .
Importance : Bb Fg I Nc
Bailey 664 .

237 *Hibiscus syriacus* L.

Rose of Sharon, Shrubby althaea (E) Khatmah sooriya (A) .
Occasionally cultivated .
Importance : Lh Lj Ln Lr
Bailey 665 .

238 *Lagunaria Patersonii* Don .

Bodrat al- a 'freet (A) .
Occasionally cultivated .
Importance : Ln Lt
Bailey 663 .

239 *Lavatera trimestris* L .

var . *splendens* Bailey .
Resha khatmi (A).
Occasionally cultivated .
Importance : I Li Lk Ln
Bailey 657 .

MALPIGHIALES

Linaceae

240 *Linum flavum* L .

Flax (E) Kattan zahur Mo' ammar al- asfar (A) .
Occasionally cultivated .
Importance : Li Lk Ln
Bailey 603 .

241 * *Linum grandiflorum* Desf .

Flowering flax, Scarlet flax (E) Kattan ahmar (A) .
Cultivated all over the country .
Importance : Lb Li Lk Ln
Bailey 604 .

242 *Linum perenne* L .

Flax (E) Kattan zuhur mo ' ammar azraq (A) .
Occasionally cultivated .
Importance : Lb Li Lk Ln
Bailey 604 .

243 * *Linum usitatissimum* L .

varieties : Marakashi 10, 50, Indian 61,
Flax, Linseed (E) Kattan (A) Gosh (K), Kattan (T)
Cultivated in the north eastern and central regions of the country .
Impnrtance : Fd Fg Gc Gd I Ka Kc Ke Kj Kl Lb
Bailey 604 .

EUPHORBIALES

Euphorbiaceae

244 *Acalypha wilkensiana* Muel Arg .

Copper leaf (E), Akleefa (A).
occasionally cultivated .
Importance : Lh Lj Ln Lr
Bailey 622 .

245 *Euphorbia heterophylla* L .

Mexican fire plant, Annual poinsetta (E) Bintul Quensel (A) Shir Mar (K).
Cultivated all over the country .
Importance : La Lh Lj Ln
Bailey 618 .

246 *Euphorbia marginata* Pursh .

Snow-on-the-mountain .(E), Wared al-thalej (A), Shir Mar (K).
Cultivated all over the country .
Importance : La Lh Lj Ln Od
Bailey 615

247 *Euphorbia Milli* des Moulins .

Syn. *E. splendens* Hock .
Crown of thorns (E) Bintul Quensel al- showkia'h,Showk al- Maseeh (A) .
Cultivated all over the country .
Importance : Ln Lo Ls
Bailey 617 .

248 * *Euphorbia pulcherrima* Willd .

Christmas flower, Easter Flower (E), Bintul Quensel (A) Shir Mar (K) .
Grown in the middle and the south .
Importance : Lh Lj Ln Lo Lr
Bailey 401 .

249 *Euphorbia pilulifera* L .

Indian wolf spurge , Pill bearing spurge (E) Umm al-halib, A'njad (A) , Shir Mar (K) .
Occasionally grown, wild in the center ,
Importance : I Lk Ln Lo
Rechinger 417 .

250 * *Ricinus communis* L .

Palma christi, Caster bean (E), Khoro 'a (A), Kah Lah Kah ,Raja-hak (K) .
Grown all over the country .
Importance : Gd I Kc Kd Kf Kh Ki Kj Kl La Mi Oa Pf Q
Bailey 621, Al-Rawi 102 .

THEALES

Theaceae

• 251 *Camellia japonica* L .

Camellia (E) ,Kamelia (A).
Cultivated in the middle and the south .
Importance : Kd Kf Kk Lh Lj Ln Lo Lt Pd
Bailey 672 .

GUTTIFERALES

Hypericaceae

• 252 *Hypericum patulum* Thunb .

Saint John 's wort (E), Hibericum, A 'ran, Rojah (A) Zurnatik , Rashk (K) Surnatik (T) .
Occasionally cultivated in the south .
Importance : Kd Lg Lj Ln Lr Ls
Bailey 677 .

MYRTALES

Myrtaceae

• 253 * *Callistemon citrinus* Stapf.

Bottle brush (E) Furshat al-zujaja, Furshat al-bottle, Kalistimone (A).
Cultivated all over the country .
Impnrtance : Kd Lh Lj Ln Lp Lt
Bailey 725.

• 254 *Callistemon rigidus* R. Br.

Bottle Brush (E), Kalistimone (A).
Occasionally cultivated .
Importance : Kd Lh Lj Ln Lp Lr
Bailey 725.

• 255 * *Callistemon speciosus* DC.

Bottle brush (E), Fursha al-zujaja, Fursha-al-bottle, Kalistimone (A).
Widely grown in the central part of the country.
Importance : Kd Lh Lj Ln Lp Lt Q
Bailey 725 .

• 256 *Eucalyptus bicolor* A. Cunn.

Eucalytus, Blue gum (E), Kaleptuz, Kalamtuz (A).
Occasionally cultivated .
Importance : I Lh Ln Lp Lt
Bailey 727.

• 257 * *Eucalyptus camaldulensis* Dehnn.
var. *Pendulus*.
Blood wood, Eucalytus gum, River red gum , Murray red gum, Eucalypus Kino (E), Kaleptuz, Kalemtuz, Kafoor (A) Seetma Aghaji, Kafur Aghaji (T) .
Widely grown all over the country.
Importance : A I Lh Ln Lp Lt Oa Od Sd Se
Reader-Roitzsch 100.

• 258 *Eucalyptus griffithii* Maiden .

Eucalyptus (E), Kaleptuz, Kalemtuz (A), Seetma Aghaji (T).
Occasionally cultivated .
Importance: I Kb Kd Lh Ln Lp Lt
Bailey 727.

259 * *Eucalyptus microtheca* f.v.m.

Flood box (E), Kaleptuz, Kalemtuz (A), Seetma Aghaji (T).
Cultivated all over the country.
Importance : A I Kb Lh Ln Lp Lt Oh Sa Sb Sd
Reader-Roitzsch 103.

260 * *Eucalyptus rudis* Endl.

Eucalyptus desert germ, Moitch (E) Kaleptuz, Kalemtuz (A).
Grown throughout the country..
Importance : Lh Ln Lp Lt
Bailey 728.

261 *Eucalyptus tarquata* Luchn.

Eucalyptus (E), Kaleptus, Kalemtuz (A), Seetma Aghaji (T).
Occasionally cultivated .
Importance : I Kb Kd Ln
Bailey 727.

262 *Eugenia Jambos* L.

Rose apple, Jambos (E) Jambodah (A).
Occasionally cultivated .
Importance : Gd Hb Hd Ln Lt Nc Oh Pb
Bailey 731.

263 *Melaleuca armillaris* Smith.

Melaleuca (E), Melaluka baiydhah (A).
Occasionally cultivated .
Importance : Lh Lj Ln Lt
Bailey 726.

264 *Melaleuca ericifolia* Smith.

Melaleuca (E), Melaluka shajariah (A).
Occasionally cultivated .
Importance : Lh Lj Lr Lt Ph
Bailey 726.

265 *Melaleuca hypericifolia* Smith.

Melaleuca (E), Melaluka al-hamrah (A).
Occasionally cultivated .
Importance : Lh Lj Ln Lt
Bailey 726.

266 **Myrtus communis* L.

Myrtle (E) Yas, Aas, Marseen (A), Mortik (K), Murat (T).
Cultivated widely throughout the country.
Importance: D I Kd Lh Lj Ln Lr Lu Mp Pd Ph
Bailey 730.

Punicaceae

267 **Punica granatum* L.

var. *nana*= Pomeg ranate (E) Rumman qaseer, Rumman zahur, Jalnar (A); var. *floreplena* = Pomegranate (E) Rumman (A) Hanar (K), Nar (T).
Cultivated all over the country.
Importance: Ba Gd Ha Hd I Lg Ln Lo Lr Mn Oh
Bailey 721.

Combretaceae

268 *Quisqualis indica* L.

Rangoon creeper (E), Kolkalis, Yasmin ahmar (A).
Cultivated in the south specially in and around Basrah.
Importance: I Lg Ln Lw Q
Bailey 724.

269 *Terminalia arjuna* Wight and Arn.

Arjun terminalia (E), Terminalia (A).
Occasionally cultivated in the central regions.
Importance: I Lh Ln Lt Sa Sd
Geust 17.

CELASTRALES

Celastraceae

270 *Celastrus scandens* L.

False bitter sweet, American Bitter sweet, Wax work (E).
Occasionally cultivated.
Importance: I Ln Lw
Bailey 632.

271 *Euonymous fortunei* Hand-Mazz

Spindle tree (E)
Occasionally cultivated.
Importance: Ln Lw
Bailey 633.

Elaegnaceae

272 * *Elaeagnus angustifolia* L.

Narrow leaved oleaster, Trebezonde date, Silverberry
Russian olive (E) Sanjad, Zeezafoon, Zaqoom, Nabaq al-A'jam (A).
Grown in the north (specially Shaqlawa, Zaweeta) and the middle (Karbala, Baghdad).
Importance : A Gd Hd Lg Ln Lt
Bailey 717, Reader-Roitzsch 108.

Rhamnaceae

273 *Rhamnus catharticus* L.

Common buckthorn (E).
Occasionally cultivated.
Importance : I Ln Lt
Bailey 645.

274 * *Ziziphus officinarum* Medic.

Syn. *Z. jujube* Mill.
Jujube tree, Ziziphus, lotus tree, Chinese date (E), O'nnab, Nabaq (A).
Cultivated in the south .
Importance : Gc Gd Hb Hd I Ln Lt Ma Mp Sb
Bailey 646, Reader-Roitzsch 111.

275 * *Ziziphus spina-christi* Willd.

Syrian Christ thorn (E) Sidr, Nabaq (A).
Cultivated in the plains and the irrigated forest plantations of the middle and south .
Importance : A Gd Hb Hd I Lg Lh Lj Ln Lt Sb
Reader-Roitzsch 110 .

Vitaceae

276 *Ampelopsis aconitifolia* Bunge

Ampelopsis (E), Ambelobsis (A)
Occasionally cultivated.
Importance : Ln Lw
Bailey 651.

277 *Parthenocissus tricuspidatus* Planch.

Virginia creeper, Woodbine (E).
Occasionally cultivated.
Importance: I Ln Lw Ob
Bailey 652.

278 *Vitis berlandeiri* Planch.

279 *Vitis coignatiae* Pulliat.
Crimson glosy vine (E).
Occasionally cultivated.
Importance: Ln Lw
Bailey 648.

280 **Vitis vinifera* L.

Grape, Wine grape, Currant (E) Kishmish, Zabeeb, Munaqqa, A'nab (A) Auzum, Trai (K), Auzum (T).
Widely cultivated in the north and center.
Importance: Ba Bb D Gc Gd Hb Hc Kc Ke Kh Kg Lj Ln Lw Na Pa Pc Rc
Bailey 649.

Ebenaceae

281 *Diospyros kaki* L.f.

Chinese persimmon, Chinese date plum (E), kaki (A).
Occasionally cultivated.
Importance: Gd Ha Hb Hd Lg Ln Lt Ob Od Se
Bailey 792, Brataudeau 62.

RUTALES

Rutaceae

282 **Citrus aurantifolia* Sw.

var. *acidica* Sw.
Lime (E) Leemon, Leemon baladi, Nomi basrah (A) Basrah limisi (K).
Cultivated in the middle and the south.
Importance: Bb D Gc Gd Ha Hd I Kd Kg Lg Lj Ln Lt Md Mp Nb Oi Pc
Bailey 610.

283 **Citrus Aurantium* L.

Sour orange, Seville orange, Bigarde (E) Naranj (A).
Cultivated all over the country.
Importance: Bb D Gc Gd Ha Hd Kd Kg Lg Lj Ln Lt Mf Nb Nc Oi Pb Pc
Bailey 610.

284 **Citrus grandis* Osbeck

Pumillo, Sheddock, Pompelemons (E), Sindi (A).
Cultivated mostly in the south.
Importance: Bb Gc Gd Ha Hd Kd Kg Lg Lj Ln Lt Oi
Bailey 610.

• 285 **Citrus limon* Burn.

varieties: Mahalli (Local), Urika, Lesbon, Pandorosa (Foreign).
Lemon (E), Lemon hamudh (A), Leemoi tursh (K) Maski (T).
Cultivated all over the country but better in the central and southern regions.
Importance: Bb D Gc Gd Ha Hd I Kd Kg Kk Lg Lj Ln Lt Md Mp Nb Oi Pb Pc
Bailey 609.

• 286 **Citrus medica* L.

varieties: 1. abaichi, burrani (local) and yamani, Rindi (introduced) are Citron (E), Turanj (A), and Kabat (K, T).
2. Limetto, Rissom, mahalli and dorshobo are sweet lime (E), Nomi helu, leemon helu (A) Leemoo (K), Limim (T).
Cultivated all over the country specially in the central and southern regions.
Importance: Bb Gc Gd Ha Hd I Kd Kg Kk Ln Lt Oi Pb Pc
Bailey 609.

• 287 * *Citrus paradisi* Maef .

varieties : Marsh (seedless), Dunken, Thompson and Foster.
Pomelo, Grape fruit (E), Leemon hindi (A).
Cultivated all over the country but more in the central and southern regions.

Importance : Gc Gd Ha Hd Kd Kg Ln Lt Nc Oi

• 288 * *Citrus reticulata* Blanco

varieties : Mahalli (local), Jazairi, Satsuma, Hindi kabir and Masri (Introduced).
Mandarine, Satsuma oranges, kids glove oranges, Tangarines (E) Lalinki (A).
Cultivated all over the country.
Importance : Gc Gd Ha Hd Kd Kg Ln Lt Oi

• 289 *Citrus sinensis* Osbeck

varieties: Mahalli (local) and about 14 foreign varieties are planted in Za'faraniah, important selections 1,2,3,4 and baladi are in cultivation .
Sweet orange (E) Burtaqal (A).
Cultivated throughout the country, but in the middle and south grown with the dates.
Importance : Bb Gc Gd Ha Hd I Kd Kg Ki Kk Kl Ln Lt Oe Oi Pb Pc
Bailey 610.

• 290 * *Ruta graveolens* L.

Common rue (E), Sazab (A).
Cultivated thruoghout the country .
Importance : D I Kd Lh Ln Lo Lg Lr
Bailey 605.

Simaroubaceae

• 291 *Ailanthus altissima* Sw.

Syn. *A. glandulosa* Desf.
Tree of Heaven, Chinese Sumac, Japanese varnish (E) Lisan al-tair (A), Gok Aghaji (T).
Cultivated all over the country but better in the north.
Importance : A I Lg Ln Lt Mi Sa Sb Sc Sd
Bailey 611, Reader-Roitzsch 113.

• 292 **Ailanthus vilmoriniana*

Tree of Heaven (E), Lisan al-tair (A).
Cultivated all over the country but better in the north.
Importance: Lg Ln Lt Sa Sb Sc Sd
Sadiq 385.

Meliaceae

• 293 *Cedrela toona* Roxb.

Red Cedar, Toona (E), Sedrela (A).
Cultivated in Baghdad and in some northern areas, but Cultivation is limited.
Importance: A Ln Lt Ob Sb Sc Sd
Bailey 613.

• 294 **Melia azedarach* L.

var. *umbracauliformis*
Bastard's Ceder, Umbrella tree, Persian Lilac, China berry, Pride of India, Bead tree (E), Zanzalakht, Sabahbah, Lailaki (A) Dar Tasbeeh (T).
Cultivated from Mosul to Basrah.
Importance: A I Lg Ln Lp Lt Mi Mo Of Sc
Bailey 612, Reader-Roitzsch 115.

• 295 *Swietenia mahogani* Jacq.

Mahagony, Tabosa (E) Sweetinia (A).
Cultivated around Basrah.
Importance: A I Ln Lt Sa Sc Sd
Reader-Roitzsch 117.

Sapindaceae

• 296 **Cardiospermum Halicacabum* L.

Baloon vine (E) Wared al-mantad (A).
Grown throughout the country.
Importance: La Lw
Bailey 642.

• 297 *Dodonaea viscosa* Jacq.

Indian privet, Candle wood , Switch Sorrel (E) Dodonia (A).
Cultivated in middle and the south.
Importance : I Lh Ln Lr Q Sa Sd
Sadiq 398.

Anacardiaceae

• 298 *Mangifera indica* L.

Mango (E), A'mba, Manjo (A).
Occasionally cultivated in the south.
Importaance : Bb Gd Hb Hd I Lh Ln Lt Na Nb Nc Pb Sa Sc Sd
Bailey 626.

• 299 *Pistacia khinjuk* Stocks.

Terebinth, Turpentine tree (E), Habbat khadhra (A), Bemk, Binoshka (K).
Grown in Ninevah but wild in northern mountains.
Importance : E Gc Gd Lg Ln Lt Mf Od Oh Sb
Reader–Roitzsch 119.

•300 * *Pistacia vera* L.

Pistacia, Green Almond (E) Fistaq (A).
Cultivated in the Ninevah Province .
Importance : D E Gd Kc Kf Ki Lg Ln Lt Od Oh Pa Pc
Bailey 627, Reader–Roitzsch 123.

• 301 *Rhus coriaria* L.

Sicillian Sumac (E), Sumaq (A), Twish (K)
Sometimes cultivated, wild in persian foot hills
Importance : I Ln Lt Ob Oh Q
Bailey 627.

' 302 *Schinus dependens* Orteg.

Christmas berry tree, Peru pepper tree (E), Filfil baseet al–auraq (A).
Cultivated in the middle and the south.
Importance : I Lh Ln Lp Lr
Reader–Roitzsch 127.

• 303 **Schinus molle* L.

California pepper tree, Brazil pepper tree, True peruvian mastic tree (E), Filfil dina, Filfil rafi ' al-auraq, Filfil californi (A) Balan baer Aghaji (T).
Widely cultivated throughout the country.
Importance: I Lh Lj Ln Lp Lt Oh Sb
Bailey 624, Reader-Roitzsch 126.

• 304 *Schinus terebinthifolius* Raddi.

Christmas berry, Brazilian peper tree (E), Filfil areez al-auraq (A).
Cultivated in the middle and the south.
Importance: I Lh Lj Ln Lp Lt Of
Bailey 627.

Aceraceae

• 305 **Acer Negundo* L.

Box elder, Ash leaf maple (E) Isbindan (A).
Cultivated through out the country but better in the north.
Importance: I Lg Ln Lp Lt Oq
Bailey 636, Bretaudeau 147.

LOGONIALES

Buddleiaceae

• 306 *Buddleia davidii* French

Butterfly bush (E), Badhleya (A).
Occasionally cultivated in Baghdad.
Importance: Lj Ln Lr Sb
Bailey 803.

Oleaceae [1]

• 307 **Fraxinus americana* L.

American Ash, White Ash (E) Dardar abyadh (A).
Cultivated through out the country but better in the north.
Importance: I Lg Ln Lp Lt Sb Sc
Bailey 799, Reader-Roitzsch 133.

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[1] *Fraxinus syriaca* Boiss also grown in Arbil and Rawanduz districts.

• 308 *Fraxinus pennsylvanica* Marsh.

var. *lanceolata.*
Green ash (E), Dardar akhdhar (A).
Commonly cultivated throughout the country.
Importance: Lg Ln Lt
Bailey 799.

• 309 *Fraxinus rotundifolia* Mill.

Ash (E) Dardar, Lisan al-tair (A), Banar (K).
Occurs naturally in the northern regions and can be cultivated in the north for avenue planting.
Importance: Lg Ln Lp Lt
Bailey 799. Reader-Roitzsch 131.

• 310 *Jasminum azoricum* L.

Yasmeen azoorkum (A).
Occasionally cultivated.
Importance: Lh Ln Lw
Sadiq 464.

• 311 *Jasminum humile* L.

var. *revolutum* Kobuski
Yellow jasmine (E), Yasmin asfar shajari (A).
Cultivated in the middle but can succeed in all parts of the country.
Importance: Lh Ln Lr

• 312 **Jasminum Mesnyi* Hance

Jasmine (E) Yasmin abyadh mutabbaq, Yasmin qatmar (A).
Cultivated all over the country.
Importance: Lh Ln Lw
Bailey 798.

• 313 *Jasminum nudiflorum* Lindl.

Jasmin (E), Yasmin nudiflorum (A).
Cultivated in the middle and the south.
Importance: Lh Lj Ln Lr Lw
Anderson 3, Sadig 404

• 314 *Jasminum officinale* L.

var. *grandiflorum* Bailey
Poet's Jasmine, White Jasmine (E) Yasmin abiyadh (A).
Cultivated in the south.
Importance: I Lh Lj Ln Lw
Anderson 165, Bailey 798.

• 315 *Jasminum sambac* Ait.

Tuscan Jasmine, Arabian Jasmine (E) Alfal, Razqi, Yasmin al-A'rabi (A).
Cultivated in the central regions.
Importance: D I Lh Lj Ln Lw
Bailey 798.

316 **Ligustrum japonicum* Thunb.

Privet (E), Yasam yapani (A).

317 **Ligustrum ovalifolium* Hossk

California Privet (E), Yasam californi (A).
Cultivated all over the country.
Importance: Lh Lj Ln Lr Lt Lu
Bailey 796.

• 318 **Ligustrum vulgare* L.

Common Privet (E), Yasam A'adi (A).
Cultivated through out the country.
Importance: Fe Lh Lj Ln Lt Lu Ob Sa Sb
Bailey 797.

• 319 **Olea europaea* L.

var. *sativa* Rouy.
Olive (E), Zaitoon (A) Zaitin (K).
Extens vely cultivated in the north.
Importance: Gc Gd Ha Hd I Ka Kc Kf Kh Ki Kj Kl Lh Lj Ln Lt Mn Nb Od Pb Pd Pf Sa
Bailey 795.

• 320 *Syringa vulgaris* L .

Common Lilac (E), Laylac A 'adi (A).
Occasionally cultivated in the middle specially Baghdad .
Importance : I Ln Lt
Bailey 802 .

APOCYNALES

Apocynaceae

• **321** *Beaumontia grandiflora* Wall.

Herald 's trumpet (E), Bomentia (A).
Occasionally cultivated .
Importance : Lg Ln Lw
Bailey 811 .

• 322 *Carissa grandiflora* A . DC .

Natal plum (E), Kareesa (A).
Occasionally cultivated .
Importance : Gd Hd Lj Ln Lr Nc Pa Pd
Bailey 812 .

• 323 * *Nerium oleander* L .

Oleander (E), Wared al-himar, Diflah ,Zahlah (A), Lorik (K) Aghoo (T) .
Widely cultivated throughout the country .
Importance : I Lh Lj Ln Lr Q
Al- Rawi 84, Bailey 812 .

• 324 *Tabernaemontana citrifolia* L.

Lecherillo (E) Tabernemontana (A) .
Occasionally cultivated .
Importance : I Lj Ln Lr
Bailey 813 .

325 *Thevetia peruviana* Schum .

Syn .*Thevetia nerifolia* Juss .
Trumpet flower, Yellow oleander, Exile oleander, Be-Still nut (E), Takashiah , Diflah safrah, Shajarat al a 'sal (A)Sari Aghoo (T).
Cultivated in the middle and south .
Importance : I Lh Lj Ln Lr Mo Q
Bailey 809 .

326 *Trachelospermum jasminoides* Lem .

Trachlospermum (E), Trakelospermum (A) .
Occasionally cultivated .
Importance : Lh Lj Ln Lw
Bailey 811 .

• 327 * *Vinca rosea* L .

Syn . *Catharanthus roseus*
Medagascar Periwinkle (E), Al-konka, Ain al-bazoon (A), Javah basheelah (K), Jazer banafshasi (T).
Widely cultivted throughout the country .
Importance : I Lh Lj Ln Lr
Bailey 812 .

Asclepiadaceae

• 328 *Asclepias curassavica* L .

Blood flower, Bastard Ipecacuanha, Shallow wort, Milk weed.
Ipecace (E), Marjan, Zehrat al-damm (A), Qan Jejeki (T) .
Occasionally cultivated .
Importance : Fb I
Bailey 815 .

• 329 *Calotropis procera* R . Br .

Auricula tree, Gigantic shallow wort, Madar (E), Deebaj ,A 'shar(A).
Cultivated in the middle and south, better when protected .
Importance : Fb I Lh Ln Lr Me Q Sb
Sadiq 390 .

330 *Stapelia variegata* L .

Carrion flower (E), Wared al-najmah (A) .
Grown all over the country as potted ornamental .
Importance : Lh Ln Lo Ls
Bailey 817 .

RUBIALES

Rubiaceae

• 331 *Cinchona Sp.* L.

Quinine (E), Keena, Qanqainah (A).
Occasionally cultivated in Baghdad and south .
Importance : I Lj Ln Lw
Guest 9 .

• 332 *Gardenia jasminoides* Ellis

Cape Jasmine (E), Kardinia (A) .
Cultivated in the middle and the south .
Importance : D Kd Kk Lh Ln Lo Lr Ob
Bailey 933 .

333 *Gardenia thunburgiana*

Cape Jasmine (E), Kardinia (A) .
Cultivated as a protected plant .
Importance : I Kd Kk Kl Lh Ln Lo Lr Ob Pd Sa Sb Sc
Sadiq 405 .

BIGNONIALES

Bignoniaceae

• 334 * *Campsis radicans* Seem .

Syn. *Bignonia radicans* L., *Tecoma radicans* Juss .
Trumpet creeper (E), Beknonia al-hamra (A) .
Cultivated all over the country .
Importance : Lg Ln Lw
Bailey 903 .

• 335 *Catalpa bignonioides* Walt .

Common catalpa, Indian bean (E), Katalba (A).
Cultivated in the northern regionss, in south if protected from the hot winds .
Importance : I Lg Ln Lt Sc Sd
Bailey 906 .

• 336 *Catalpa ovata* Don .

Catalpa (E), Katalba (A).
Occasionally cultivated in the north .
Importance : Lh Ln Lt
Bailey 906 .

• 337 *Catalpa speciosa* Warder

Syn . *C . cordifolia*
Western catalpa, Catwaba tree (E) , Katalba (A) .
Occasionally cultivated .
Importance : Lh Ln Lp Lt Sa Sc Sd
Bailey 906 .

• 338 *Clytostoma purpureum* Burr .

Syn . *Bignonia purpurea*
Beknonia barbaria (A) .
Cultivated throughout the country .
Importance : Lh Lj Ln Lw
Sadiq 462 .

• 339 *Doxantha unguiscati* Rehd.

Syn . *Bignonia unguiscati* L.
Cat' s Claw vine (E) . Mutasalleq mukhalib al-qat (A) .
Occasionally cultivated.
Importance : I Lj Ln Lw Ma
Bailey 902.

• 340 *Incarvillea variabilis* Batalin

Incarvellia (E) , Inkarvellia (A).
Occasionally cultivated.
Importance : Lb Li
Bailey 905.

• 341 *Jacaranda mimosifolia* D . Don.

Green Ebony (E) , Jacranda (A).
Cultivated in the middle and south.
Importance : Lg Ln Lp Lt Sc Sd
Bailey 907.

• 342 *Kigelia pinnata* DC.

Sausage tree (E) Mashtoorah , Kigelia (A).
Occasionally cultivated.
Importance : Ln Lt
Bailey 904.

• 343 *Pandorea jasminoides* Schum.

Bower plant (E) Mutaslleq Bignonia yasmeeni (A).
Occasionally cultivated.
Importance : Lh Ln Lw
Bailey 904.

• 344 *Pyrostegia ignca* Presl.

Pyrosteria (E), Mutasalleq Bignonia burtaqali (A).
Occasionally cultivated.
Importance : Lh Lj Ln Lw
Bailey 903.

• 345 *Stenolobium alatum* Spragus.

Syn .*Tecoma smithii*
White bells (E) ,Tekoma abyadh (A).
Occasionally cultivated.
Importance : Lj Ln Lt

• 346 *Stenolobium stans* Seem.

Syn .*Tecoma stans.*
Yellow bells (E), Tekoma asfar (A).
Occasionally cultivted.
Importance : I Lj Ln Lt
Bailey 907.

347 *Tecomaria capensis* Spach

Syn. *Tecoma capensis*
Cape honey suckle (E), Tekomaria (A).
Occasionally cultivated.
Importance : Lj Ln Lr
Bailey 908.

348 *Tecomella undulata* Seem.

Wavy leaved Tecomella (E), Shajarat al-A 'sal (A).
Cultivated in Balad and Samarrah but can be grown all over the country.
Importance : Gc Lg Ln Lt Oh Sc
Reader-Roitzsch 139.

Pedaliaceae

•349 * *Sesamum indicum* L.

Syn. *S. orientale* var. mahalli.
Sesame (E), Simsim (A), Konji (K), Kandaj (T).
Cultivated all over the country.
Importance :Gc Gd I Ka Kc Kg Kh Ki Kk Kl Pa Pc Pd
Bailey 908.

VERBENIALES

Ehretiaceae

• 350 *Cordia francisci* Tenore

Cordia (E) Tanab , Banbar (A).
Cultivated in the south.
Importance : Lh Ln Lp Lt Od
Bailey 838, Sadig 396.

• 351 *Cordia myxa* L.

Sebestan ,Assyrian plum (E), Banbar, Tanab , Mukhait (A), Sipistan Aghaji (T).
Cultivated around Basrah.
Importance : Fe I Lh Ln Lp Lt Od Sc
Bailey 839.

Verbenaceae

• 352 *Clerodendrum Bungei* Steud.

Glory bower (E), Klerodendron (A).
Occasionally cultivated.
Importance : Lh Lj Ln Lr
Bailey 843.

353 * *Clerodendrum inerme* Cartn.

Glory bower (E), Klerodendron, Yasmin zafer (A).
Cultivated in the middle and south.
Importance : Lh Lj Ln Lw
Bailey 884.

354 *Duranta repens* L.

Golden dew drop, Pigeon berry, Sky flower (E), Doranta (A).
Cultivated in the central and southern Iraq.
Importance : Lh Lj Ln Lr
Bailey 843.

355 * *Lantana camara* L.

var .*hybrida* Mold.
Wild sage (E), Lantana ,Meena shajari (A), Dargeena (K), Yalanjai (T).
Widely grown in the middle and south.
Importance : Lg Lj Ln Lr Me Q
Bailey 842 .

356 *Lantana salvifolia* L.

Wild sage (E), Lantana ,Meena shajari (A).
Cultivated in the middle and south.
Importance : Lh Lj Ln Lr
Sadiq 412 .

357 *Lippia nodiflora* Rich.

syn. *Phyla nodiflora*
Lippia (E), Leebia, Baleeja, Qulanj ooti, Barbeen jadawi (A).
Grown in the north in lawns.
Importance : Lk Ll Ln
Rechinger 514.

358 * *Verbena hybrida* Voss.

Garden verbeena, Vervain (E), Farbeena, Meena (A)..
Cultivated throughout the country .
Importance : La Lb Le Li Ln
Bailey 841 .

356 * *Vitex Agnus - castus* L .

Chaste tree, Hemp tree, Monk's pepper tree (E), Kaf mariyam, Fitex, Shajarat Ibrahim (A), Dar-Ibrahim (K),Bish barmagh Aghaji (T).
Cultivated throughout the country .
Importance : D Fe I Kd Lg Lj Ln Lr
Bailey 843 .

360 * *Vitex Negundo* L.

Chaste tree, Hemp tree (E), Kaf-mariyam, fitex, Shajarat Ibrahim (A), Dar-Ibrahim (K), Bish barmagh Aghaji (T) .
Cultivated throughout the country .
Importance : Lg Lj Ln Lr
Bailey 843 .

HERBACEAE, RANALES

Ranunculaceae

361 * *Adonis aestivalis* L .

Summer adonis, Phaesant 's Eye (E), Ain al-deek (A) .
Cultivated all over the country .
Importance : I La Lb Li Lk
Bailey 390 .

362 * *Anemone coronaria* L .

Poppy anemone, Wind flower (E), Anemone (A).
Cultivated throughout the country .
Importance : La Lf Li Lk
Bailey 395 .

363 * *Aquilegia formosa* Fisch.

var. *hybrida*
Columbine (E), Akualijia (A) .
Cultivated all over the country .
Importance : I Li Lk Ln Mi
Bailey 403 .

364 *Clematis dioscorifolia* L' oul and Vaniot

365 *Clematis flammula* L .

366 *Clematis montana* Buch-Ham .

367 *Clematis orientalis* Lam.

Virgin Bower (E), Klematis (A).
Occasionally cultivated.
Importance: Ln Lw
Bailey 394.

368 *Clematis tangutica* Korsh.

Golden Clematis (E), Klematis (A).
Occasionally cultivated.
Importance: Ln Lw
Bailey 393.

369 *Clematis vitalba* L.

Traveller's joy, Old man's beard (E), Klematis (A).
Occasionally cultivated.
Importance: Fe Ln Lw
Bailey 393.

370 *Clematis viticella* L.

Virgin Bower (E), Klematis (A).
Occasionally cultivated.
Importance: Ln Lw
Bailey 393.

371 *Delphinium ajacis* L.

Rocket Larkspur (E), Minqar al-tair, Lisan al-tair, Mahmaz, Lisan al-a'sffor (A).
Cultivated in the north and the center.
Importance: I Lb Li Lk Lv Mi
Bailey 398.

372 **Delphinium consolida* L.

Forking Larkspur (E), Minqar al-tair (A).
Cultivated throughout the country.
Importance: I Lb Li Lk Lv Mi Ob
Bailey 398.

373 *Ranunculus aquatilis* L.

Water crowfoot (E), Ranunculus, Izar al-Batt (A).
Occasionally grown .
Importance: Gb Lc Ld
Bailey 388.

• 374 *Ranuculus asiaticus* L.

Turban, Persian buttercup, Crowfoot (E), Shaqaiq, Shaqaiq al-no'man (A).
Occasionally grown in the north.
Importance : La Lf Li Lk
Bailey 388.

• 375 *Ranunculus scleratus* L.

Water crowfoot, Blisterwort (E), Zaghlil (A), Rogon Jejeki(T).
Grown throughout the country.
Importance : Gb I Ld
Bailey 388.

Nymphaeaceae

• 376 *Nelumbo nucifera* Gartn.

East Indian Lotus (E) Nelumbo (A).
Cultivated in the middle and south .
Importance : Gb Ld
Bailey 384.

• 377 *Nuphar Sp.* Smith

Cow lily, Pond lily, Common Spatterdock (E), Lilofar, zanbaq al-Mae, Nofaar (A).
Cultivated all over the country.
Importance : Gb Ld
Bailey 384

• 378 *Nymphaea nucifera* L.

Numphea, Water lily, Lotus (E), Lilofar, zanbaq al-Mae, Lotus al-azraq (A).
Cultivated throughout the country.
Importance : Gb Ld
Bailey 382.

Ceratophyllaceae

• 379 *Ceratophyllum demursum* L.

Hornwort (E), Seratofillum, Shinbalan (A).
Wild in the south but grown all over the country in aquaria.
Importance : Gb Lc Ld
Bailey 386.

BERBERIDALES

Lardizabalaceae

• 380 *Akebia quinata* Decne.

Akebia (E), Akbeiah (A).
Occasionally cultivated all over the country.
Importance: Fe Ln Lw Ms
Bailey 408.

• 381 *Berberis thunbergii* DC.

Japanese berry (E), Berberis (A).
Occasionally cultivated.
Importance: I Ln Lr Ob Sa
Bailey 410.

• 382 *Nandina domestica* Thunb.

Nandina (E), Nandina (A).
Occasionally cultivated.
Importance: Lj Ln Lr
Bailey 412.

ARISTOLOCHIALES

Aristolochiaceae

• 383 **Aristolochia elegans* Mast.

Calico flower (E), Aristolochia, Wared al-battah (A).
Cultivated in the center and the south.
Importance: Ln Lw
Bailey 346.

RHOEADALES

Papaveraceae

• 384 *Argemone grandiflora* Sweet.

Prikly poppy (E), Argemone (A).
Occasionally cultivated.
Importance: La Lb Li Lk
Bailey 426.

• 385 **Eschscholtzia californica* Cham.

California poppy (E), Khashkhash californi, Isholzia (A).
Cultivated through out the country.
Importance: I La Lb Li Lk
Bailey 424.

• 386 *Hunnemannia fumarifolia* Sw.

Golden cup (E), Hanmania (A).
Occasionally cultivated.
Importance: La Lb Li Lk
Bailey 426.

• 387 *Papaver Rhoeas* L.

Corn poppy, Red poppy, Shirley poppy (E), Khashkhash al-zeena (A).
Cultivated through out the country.
Importance: I Lb Li Lk Ob Oe Q
Manning 155.

• 388 *Papaver somniferum* L. (1)

Opium poppy (E), Khashkhash Abu-naum, Khashkhash Afioon (A) Kalanjak (T).
Cultivated in the middle and the north.
Importance: Gc Gd I J Kc Ke Ki Kj Kl La Lb Li Lk Pa Q
Bailey 425.

CRUCIALES

C rucifereae

• 389 **Alyssum maritimum* L.

Sweet alyssum, Madwort (E), Wared al-fudhah (A).
Cultivated throughout the country.
Importance: Lb Li Lk Ls Lv
Bailey 445.

• 390 **Brassica caulerpa* Pasq.

Syn. *B. oleracea* var. *caulerpa* DC.
Kohl Rabi, Knol Khol (E), Abu rukba, Kalam (A).
Cultivated in the middle and the south.
Importance: Gd Rf
Bailey 436.

• 391 *Brassica napus* L.

Rape, Colza (E), Saljam (A) Shaljam, Shailam (K).
Occasionally cultivated in the south.
Importance: Gd Kc Kg
Bailey 436.

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(1) *Cultivation prohibited.*

392 *Brassica oleracea* L.

var. *botrytis* L. Broccali, Cauliflower (E) Qarnabeet (A). var. *capitata* L. Cabbage (E), Lehana, Karnab (A).
The former var. is cultivated in the north and the middle and the latter var. is cultivated all over the country
Importance: Gd Ra Rb
Bailey 436.

393 *Brassica rapa* L.

Turnip (E), Shalgham , Lift (A), Shaljam (K).
Cultivated through out the country.
Importance: Gc Gd I Kd Kg Pf Rc Rd
Bailey 436.

394 *Cheiranthus cheiri* L.

Wall flower, Galli flower, Yellow stock (E), Manthur asfar (A), Sari shaboy (T).
Cultivated in the north.
Importance: I Kd Lb Li Lk Q
Bailey 449.

395 **Cheiranthus kewensis* Hort.

Wall flower (E), Sahboy asfar (A).
Cultivated in the north.
Importance: Lb Li Lk
Bailey 499.

396 *Erysimum Perofskianum* Fisch and Mey

Blistercress (E), Erisimom (A).
Occasionally cultivated.
Importance: Lb Li Lk
Bailey 450.

397 *Iberis amara* L.

Rocket candytuft, White Candytuft, Bitter Candytuft, Clowns mustard (E), Kandytuft (A).
Cultivated throughout the country.
Importance: I Lb Li Lk
Bailey 441.

398 *Iberis sempervirens* L.

Edging candytuft, Hardy candytuft (E), Kandytuft mo'ammar (A).
Cultivated in the center and the south.
Importance: Lb Li Lk
Bailey 441.

399 **Iberis umbellata* L.

Globe candytuft (E), Kandytuft (A).
Cultivated all over the country.
Importance: Lb Li Lk
Bailey 441.

400 *Ionopsidium acaule* Reichb.

Diamond flower (E), Zehrat al-almas (A).
Occasionally cultivated.
Importance: Lb Li Lk
Bailey 441.

401 **Lepidium sativum* L.

Garden cress (E), Rashad (A), Tarteza (K), Tartorah (T).
Cultivated all over the country.
Importance: D Gd I Kc Re
Bailey 440.

402 *Malcomia maritima* R. Br.

Virginian Stock (E) Shabka manthur (A).
Cultivated throughout the country.
Importance: Lb Li Lk Ls
Bailey 449.

403 **Matthiola bicornis* DC.

Matthiola (E), Shabboy laili (A).
Cultivated throughout the country.
Importance: Lb Le Li Lk Lv

404 **Matthiola incana* R. Br.

Wall flower, Stock flower, Brampton stock ,Gill flower (E) Manthur, Shabboy (A), Sari Shappoy (T).
Cultivated throughout the country.
Importance: Lb Le Li Lk Lo Lv
Bailey 448.

405 **Nasturtium officinale* R. Br.

Nasturtium, Water cress, Brown cress (E), Harf al-mae, Hab al-rashad, kobani (A).
Cultivated throughout the country.
Importance: I Kk Lk Lo Re
Bailey 447.

406 **Raphanus sativus* L.

Raddish (E). Fijil (A), Tup (K), Tuxp (T).
Cultivated throughout the country.
Importance: Gd I Rc Rd
Bailey 439.

Resedaceae

407 *Reseda odorata* L.

Common mignonette (E), Rezedia (A).
Occasionally cultivated.
Importance: Kd Lb Li Lk Oe
Bailey 447.

CARYOPHYLLALES

Caryophyllaceae

408 **Dianthus barbatus* L.

Sweet William (E), Husn Yousuf (A).
Widely cultivated all over the country.
Importance: La Lb Li Lk
Bailey 373.

409 **Dianthus caryophyllous* L.

Picotee, Grenadine, Carnation, Clove Pink (E), Qaranfol (A), Mekhak, Fanfar (K), neefal (T).
Widely cultivated all over the country.
Importance: Kd Kk La Lb Li Lk Lv

410 **Dianthus chinensis* L.

Rainbow pink, China pink (E), Qaranfol sini (A).
Widely cultivated all over the country.
Importance: La Lb Le Li Lk Lv
Bailey 375.

• 411 *Gypsophilla elegans* Bieb.

Gypsophilla (E), Jibsofilla (A).
Occasionally cultivated.
Importance: Lb Li Lk Lv Oe
Baliey 381.

• 412 *Lychnis calcedonica* L.

Maltese cress (E), Liknis (A).
Occasionally cultivated.
Importance: Lb Li Lk Lv
Bailey 376.

• 413 *Lychnis viscaria* L.

Syn. *Viscaris oculata*
Champion (E), Fiskaria (A).
Occasionally cultivated.
Importance: Lb Li Lk
Bailey 377.

• 414 *Silene pendula* L.

Catch fly, Champion (E), Samegh al-dubab (A).
Occasionally cultivated.
Importance: La Lb Li Lk
Bailey 379.

Aizoaceae

• 415 **Mesembryanthemum angustatum* Haw.

• 416 **Mesembryanthemum nodiflorum* Linn, L.c.

• 417 **Mesembryanthemum salami* Haw.

Fig marigold, seafig (E), Ghasool, Hai al-a'alam (A).

Widely grown throughout the country.
Importance: Lo Ls
Bailey 359.

Portulacaceae

• 418 **Portulaca grandiflora* Hook.

Rose moss (E) Bortulaka, Yaldiz, Yaldiz qatmar (A), Yildiz (T).
Cultivated throughout the country.
Importance: La Li Lk Lo Ls
Bailey 365.

• 419 *Portulaca oleracea* L .

var. *sativa* DC (erect), *giganthes* Bailey (Prostrate)
Purslane, Kitchen garden purslane (E), Baqlah, Hamqah (A).
Barbeen, Birbeena (K, T),
Cultivated from Mosul to the extrme south .
Importance: Gc Gd I La Li Lk LO Ls Rc
Bailey 365.

• 420 *Portulacaria afra* Jacq.

Bush Purslane (E), Barbeen Shujairi (A).
Occasionally cultivated in the center and the south.
Importance: Gc Ln Lr Ls
Bailey 365.

POLYGONALES

Polygonaceae

• 421 *Antigonon Leptopus* Hook & Arn.

Coral vine, Corallita, Rosa montana, pink vine, Confederate vine, Chain of love (E), Antijonon, Marjan mutasalleq (A).



Cultivated in the middle and south.
Importance: Ln Lw
Bailey 351.

• 422 *Fagopyrum esculentum* Moench.

Sweet Buckwheat, Buck wheat (E) Qumeh al—Baqar (A).
Cultivated in the northern plains.
Importance: C I Oc Oe Pf
Bailey 349.

CHENOPODIALES

Amaranthaceae

• 423 *Alternanthera amoena* Voss.

Alternanthera (E), Alternathera al—hamrah (A).
Mostly cultivated in the center and south but can be grown in the north when protected during winter.

• 424 *Alternanthera chromopetala*

Alternanthera (E), Alternanthera al—safra (A).
Mostly cultivated in the middle and the south.
Importance: La Lb Li Lk
Bailey 356.

• 425 *Alternanthera paranchoides*

Alternanthera (E), Alternanthera burtaqali (A).
Cultivativated mostly in the center and the south.
Importance: La Lb Li Lk
Bailey 356.

• 426 * *Amaranthus cuadatus* L.

Love lies bleeding, Amaranthus (E), Amaransh, Damm al—A'ashiq, Amaransh Zehri (A).
Widely cultivated.
Importance: La Lb Li Lk Lo Oe Re

• 427 * *Amaranthus tricolor* L.

Amaranth (E), Amaransh mubarqash (A).
Widely cultivated.
Importance: La Lb Li Lk Lo
Bailey 355.

• 428 * *Celosia argentea* L.

syn. *Celosia cristata* L.
var.*cristata* Cock's Comb (E), Arf al—deek (A).
var. *Plumulosa* Feathered Cock's Comb (E) Arf al—deek makhrooti (A). var. *Childsii* Chinese wool flower (E), Arf al—deek kurwi (A) Maghmar (K), Khoroz abeeki (T).
Cultivated throughout country.
Imprtance : I La Lb Li Lk Lo
Bailey 355.

• 429 * *Gomphrena globosa* L.

Bachelor's button, Globe Amaranth (E),Madna, Wared al—dukmah saifi (A).
Cultivated throughout the country.
Importance : La Li Lk Lo Lv
Bailey 356.

Chenopodiaceae

• 430 *Atriplex campanulata* Benth.

Syn. *Atriplex numularia*

Orach, Saltbush (E), Atriblex, Rughl (A).
Cultivated all over the country.
Importance: Gc Lj Ln Lr
Bailey 353, Rechinger 187.

• 431 * *Beta vulgaris* L .

Var. "Red beet"= Garden beet (A), Showander, shuwander (A) Panjar (T). var. "Sugar beet" = Banjar, Bangar sukari (A).var. "Chard" (E) = Siliq (A).
Red beet and chard is cultivated through out the country , whereas the sugar beet cultivated is limited to the north, and the middle
Importance: Ba Gc Gd Og Pf Rc Rd
Bailey 353.

• 432 * *Kochia scoparius* Schrad .

var . *trichophyllar* Bailey
Belvedere, Summer cypress (E), Kokia ,Wared al-makanis, Sha'r al- banat (A).
Cultivated throughout the country .
Importance: Fa Gc I La Li Lk Rc
Bailey 353.

• 433 * *Spinacea oleracea* L.

Prickly seeded Spinach, Spinach. Spinage (E), Isbinagh, Isbinakh (A).
Cultivated through out the country .
Importance· Gd I Rc
Bailey 354.

LYTHRALES

Lythraceae

• 434 * *Lagerstroemia indica* L.

Crape myrtle (E), Wared al-qahwah (A), Kola qawa (K).

Qahwa jejeki (T).
Cultivated from Mosul to the south .
Importance : I J Lg Lj Ln Lr

435 * *Lagerstroemia speciosa* Pers .

Queen crape myrtle (E), Wared al-qahwah (A).
Cultivated throughout the country .
Importance : I J Lg Lj Ln Lr Sc Sd
Bailey 720 .

• 436 * *Lawsonia inermis* L .

Henna, Mignonette tree (E), Hennah (A), Khokha (K), Henna (T).
Cultivated in the middle and south .
Importance : I Kd Kk Lg Lj Ln Lr Mp Ob Pd Sb
Bailey 719 .

Onagraceae

437 * *Clarkia elegans* Dougl .
438 * *Clarkia pulchella* Purs .
Clarkia (E), Klarkia (A) .
Cultivated throughout the country .
Importance : Lb Li Lk Lv
Bailey 736 .

• 439 *Gaura Lindheimeri* Eng . & Gray

Gaura (E), Kaura (A).
Occasionally cultivated
Importance : La Li Lk
Bailey 739 .

• 440 *Godetia amoena* Don .

Godetia (E), Zehrat al-atlas (al- a 'aliah and al- qaseerah), (A).
Occasionally cultivated .
Importance : Lb Li Lk
Bailey 736 .

• 441 *Oenothera erythrocephala* Borb .

Syn. *Oenothera lamarkiana* De Vries
Evening primerose (E), Enothera Maghrbi (A).
Occasionally cultivated .
Importance : Lb Le Li Lk
Bailey 738 .

Haloragaceae

442 *Myriophyllum brasiliansis* Camb .

Parrot's feather (E), Mariofillum (A).
Cultivated in the aquaria and ponds .
Importance : Gb Lc Ld
Bailey 741 .

Callitrichaceae

• 443 *Challitriche aqatica*
Starwort (E), Kalitrike (A).
Grown in the aquaria and ponds.
Importance : Lc Ld
Sadiq 535.

GENTIANALES

Menyantheceae

444 *Nymphoides peltatum* Kuntz.

Floating heart (E), Nymfoides (A)
Grown in the aquaria and ponds.
Importance : Ld
Bailey 808.

Primulaceae

• 445 *Anagalis linifolia*

Pimpernel (E), Ain-al-jamal, Rumaiminah (A).
Occasionally cultivated .
Importance : La Lb Li Lk
Bailey 785 .

446 *Hottonia palustris* L .

Water violet (E), Banafsaj al- mae (A).
Grown in the ponds .
Importance : Gb Lc Ld
Sadiq 535 .

Plumbaginaceae

447 * *Limonium sinuatum* Mill .

Syn. *Statice sinuata* L.
Marsh Rosemary, Sea Lavender (E), Statis, Wared al-kaghad (A).
Cultivated throughout the country .
Importance : I La Lb Le Li Lk Lv
Bailey 787 .

448 * *Plumbago capensis* Thunb .

Lead plant, Leadwort (E), Blumbako, Yasmeen mawi (A).
Cultivated throughout the country except in the extreme north.
Importance : Lh Ln Lo Lw
Bailey 786 .

Crassulaceae

449 *Graptopetalum paraguayensis* Walt .

Syn. *Echeveria Weinbergi* T. B. Shephard .
Dream plant (E), Akifera (A).
Occasionally cultivated .
Importance : Ln Lo Ls
Bailey 468 .

450 * *Kalanchoe pinnatum* Pers .

Syn .*Bryophyllum pinnatum* Kurz .
Air plant, life plant, Floppers (E), Nabat al-Hayat, Bryofylome (A),
Tawoogh panjasi (T) .
Cultivated throughout the country .
Importance : I Ln Lo Ls
Bailey 466 .

Saxifragaceae

451 *Deutzia gracilis* Sieb & Zucc .

Deutzia (E & A).
Occasionally cultivated .
Importance : Lg Lj Ln Lo Lr
Bailey 476 .

UMBELLALES

Umbelliferae

452 *Anethum graveolens* L.

Dill (E), Shbint ,Sazab al-bar (A), Datli boyana (T).
No definite report for the regions of cultivation .
Importance : D I Kd Ki
Bailey 751 .

453 *Apium graveolens* L.

var. *dulex* Pers .
Celery (E), Karafis (A), Kroz (T).
Cultivated throughout the country ,also occurs wild .
Importance : D Gd I Kd Ki Rc Re
Bailey 755 .

454 *Carum carvi* L.

Caraway (E), Karavia (A), Kuks banz (K).
No definite report for the region of its cultivation .
Importance : D I Kd Ki Pc
Bailey 754 .

455 *Coriandrum sativum* L.

Coriander (E), Kizbarah (A), Koro lah (K) .
Cultivated in the middle and south .
Importance : D I Kd Ki Pc
Bailey 753 .

456 *Cuminum cyminum* L.

Cumin (A), Kammoon (A) .
Cultivated in the middle and south .
Importance : D I Kd Ki Kk Pc
Bailey 750 .

457 * *Daucus carota* L.

var. *sativa* DC .
Carrot (E), Jizar (A), Jeezar (K), Barkoki, Howooj (T) .
Cultivated throughout the country .
Importance : D Gc Gd I Kd Kk Ob Rd Re
Bailey 752 .

•458 *Foeniculum vulgare* Mill .

Fennel (E), Habbat Helwa (A), Kanarazbana (K).
No definite report for the place of cultivation .
Importance : D I Kd Ki Kk Kl Re
Bailey 751 .

• 459 *Petroselinium crispum* Nym .

Syn. *P. sativum* L .
Parsley (E), Baqdoonis, Ma'danoos (A).
No definite report for its cultivation region .
Importance : D I Kd Ki Oi Rd
Bailey 753 .

•460 *Pinpinella anisun* L .

Aniseed (E), Aneesoon, Alisoon (A), Razbana (K), Anasoon (T).
No definite report for the region of its cultivation .
Importance : D I Kd Ki Kk Kl
Bailey 751 .

VALERIANALES

Valerianaceae

• 461 *Centranthus microsiphon* Boiss .

Centranth (E), Sentranthus, Faleriana (A).
Occasionally cultivated .
Importance : Lb Li Lk
Bailey 947 .

• 462 *Centranthus ruber* DC .

Syn . *Valeriana rubra* L .
Red Valerian, Jupiter's Beard (E), Faleriana (A).
Occasionally cultivated .
Importance : Li Lk Ln
Bailey 947 .

Dipsacaceae

• 463 *Scabiosa atropurpurea* L .

Sweet Scabious (E), Skabioza (A).
Occasionally cultivated .
Importance : La Lb Li Lk
Bailey 950 .

CAMPANULALES

Campanulaceae

• 464 * *Campanula Medium* L .

var . *calycanthema*
Canterburry bells, Cup and Saucer flower (E), Zehrat al-Jaras, Zehrat al-sahen wal finjan (A).
Cultivated in the middle and south .
Importance : Lb Le Li Lk
Anderson 32, Bailey 962 .

• 465 *Lobelia erinus* L .

var . *spinosa* .
Lobelia (E), Lobeelia (A).
Cultivated in the northern region .
Importance : Lb Li Lk Ln Lo
Anderson 121, Bailey 970 .

Asteraceae (Compositae)

• 466 * *Ageratum Houstonianum* Mill .

Floss flower (E), Ajeratum (A) .
Grown all over the country .
Importance : La Le Li Lk Lv
Anderson 141, Bailey 1025 .

• 467 *Anthemis cotula* L.

Syn. *Cotula barbata*
May weed, Dog Chamomile, Dog fennel (E), Kotula (A) .
Occasionally cultivated throughout the country .
Importance : Lb Li Lk Ls

• 468 *Anthemis nobilis* L.

Camomile (E), Baboonej (A), Kola faq (K), Baghdad Howinji (T).
Occasionally cultivated .
Importance : D I Kd Lb Li Lk
Bailey 990 .

• 469 * *Arctotis stoechadifolia* Berg .

Syn . *Arctotis grandis* Thunb .
Blue eyed African Daisy (E), Arktotis (A).
Commonly cultivated .
Importance : Lb Li Lk Lv
Anderson 139 ,Bailey 1011 .

• 470 * *Artemisia Absinthum* L .

Common worm wood, Absinthum (E), Artmeezia (A).
Cultivated all over the country .
Importance : I Kd Ki Li Ln Lq Lr
Bailey 993 .

– 471 *Aster tanacetifolius* HBK

Syn. *Machaeranthra tanacetifolia* Ness,
Daisy (E), Tahuka, Macranthera (A).
Occasionally cultivated.
Importance : Lb Li Ln
Anderson 179, Bailey 1009.

• 472 *Bellis perinnis* L.

English Daisy, Daisy (E), Wared al-dukmah, Baboonej, Zehrat al-rabee'a, Zehrat al-lulu (A), Hamesh Bahar (K), Ilk Bahar Jejeki (T).
Wild in the north , cultivated in the middle and the south.
Importance : I Lb Li Lk Ln Ls
Anderson 33, Bailey 1004.

• 473 *Brachycome iberidifolia* Benth.

Swan River Daisy (E), Brashicome (A).
Occasionally cultivated.
Importance : Lb Li Lk
Anderson 141, Bailey 1006.

• 474 **Calendula officinalis* L.

var. "orange king" (orange), "Limon green" (Yellow).
Pot marigold, Ring flower (E), Aqahwan , Qarahqooz (A), Hamesh Bahar (K), Altounjeeq (T).
Widely cultivated through out the country.
Importance : I Kc Kd La Lb Li Lk Lv
Anderson 137, Bailey 1016.

• 475 * *Callistiphus chinensis* Ness.

var. Royal, American beauty, Late branching, Ostrick plume.
China Aster (E), Dawoodi Afandi, Dawoodi A'jami (A).
Cultivated all over the country .
Importance : Lb Li Lk Lv
Bailey 1004.

476 *Carthamus tinctorius* L.

Safflower, False Safron (E), Qurtum asfar (A).
Occasionally cultivated .
Importance : Gc Gd I Kc Ke Kh Kj Kl Ls Mo Ob Rc Re.
Bailey 1028.

477 *Catananche caerulea* L.

Cupid's Dart (E), Zehart seham al-hob (A).
Occasionally cultivated.
Importance : Li Lk Ln Lv
Anderson 123, Bailey 983.

478 *Centaurea cineraria* L.

Dusty Miller (E), Aabri (A).
Occasionally cultivated .
Importance : Li Lj Lk Ln Lv
Anderson 114, Bailey 1027.

479 **Centaurea cyanus* L.

Bachelor's Button, Corn flower (E), Senturia (A).
Commonly cultivated throughout the country.
Importance : I Lb Li Lj Lk Lo Lv
Anderson 87, Bailey 1027.

480 *Centaurea montana* L.

Mountain blue (E), Senturia mo'ammarah (A).
Cultivated throughout the country.
Importance : Lb Li Lj Lk Ln
Bailey 1027.

481 * *Centaurea moschata* L.

Sweet Sultan (E), Senturia (A).
Commonly cultivated throughout the country.
Importance : Lb Li Lj Lk
Bailey 1027.

482 **Chrysanthemum carinatum* L.

Crown daisy, Tricolor chrysanthemum (E), Dawoodi (A).
Commonly cultivated throughout the country.
Importance : La Lb Li Lk
Anderson 87, Bailey 987.

483 **Chrysanthemun cinerariaetolium* Vis.

Dalmatin Insect Plant, Dalmatin Pyrethrum (E), Dawoodi (A), Dawoodi Afandi (T).
Cultivated throughout the country.
Importance : I Kd La Lb Li Lk Mi Of
Bailey 988.

484 * *Chrysanthemum coronarium* L.

Crown Daisy, Garland Chrysanthemum (E) Dawoodi (A).
Commonly cultivated throughout the country .
Importance : La Lb Li Lk Rc
Anderson 181, Bailey 987 .

485 * *Chrysanthemum morifolium* Ramat .

Florist's chrysanthemum ,Garden chrysanthemum (E), Dawoodi abutauba (A).
Commonly cultivated throughout the country .
Importance : La Lb Li Lk Ln Rc
Anderson 181, Bailey 989 .

486 *Chrysanthemum parthenium* Bernh .

Syn. *Matricaria capensis*
Fever few (E), Baboonej Zehri (A).
Occasionally cultivated .
Importance : I La Lb Le Li Lk Mi Ms
Bailey 987 .

487 * *Cineraria cruenta* DC .

488 * *Cineraria hybrida* Will .

489 * *Cineraria maritima* L .

Florist's Cineraria (E), Sineraria (A).
Cultivated throughout the country but in the north protecti on is necessary .
Importance : La Lb Li Lk Lo
Bailey 987 , 1019 .

490 * *Coreopsis basilis* Blake

Syn . *C. Drummondii* Torr. & Gray .
Golden wave (E), Koriobsis (A) .
Commonly cultivated throughout the country .
Importance : La Lb Li Lk Lo
Bailey 1003 .

491 * *Corepsis Stillmanii* Blake

Syn. *Leptosyne stillmanii* Gray
var. golden rosette.
Yellow Daisy (E), Leptoseen (A).
Commonly cultivated throughout the country .
Importance : La Lb Li Lk
Anderson 147, Bailey 1003.

492 * *Coreopsis tinctoria* Nutt.

Tick seed (E), Koreobsis (A).
Cultivated thoughout the country.
Importance : La Lb Li Lk
Bailey 1003.

493 * *Cosmos bipinnatus* Cav.

494 * *Cosmos sulphureus* Cav.

Cosmos, Yellow comos (E), Kozmia, Kosmos (A).
Grown all over the country.
Importance : La Li Lk Lo
Anderson 137, Bailey 999.

495 * Dahlia pinnata Cav.

Syn. *Dahlia rosea*
Common dahlia, Garden Dahlia (E), Dalia (A).
Cultivated throughout the country.
Importance : I La Lf Li Lk Mp Og
Anderson 166, Bailey 1000.

496 *Dimorphotheca sinuata* DC.

Cape marigold, Star of Veldt (E), Dimorfotheca (A).
Cultivated all over the country.
Importance : Lb Li Lk Lo
Anderson 139, Bailey 1015.

497 *Echinacea purpurea* Mcench.

Syn. *Rudbekia purpurea*
Purple cone flower (E), Rudbekia moa'marah (A).
Occasionally cultivated.
Importance : La Li Lk Ln
Anderson 123, Bailey 995.

498 *Emilia sagitata* DC.

Syn. *Cacalia coccinia* Sims.
Tassel flower, Florist's Paint Brush (E) Kakalia (A).
Occasionally cultivated.
Importance : La Li Lk
Bailey 1016.

499 *Erigeron speciosus* DC.

Fleabane (E), Erijeron, Dhail al-Sab'a.
Occasionally cultivated .
Importance : La Li Lk Ln Lo
Anderson 123, Bailey 1008.

500 * *Gailardia aristata* Pursh .

Blanket flower (E), Kailardia moa'mmarah (A).
Commonly cultivated .
Importance : La Lb Le Li Lk Ln Lv
Anderson 147, Bailey 1014.

501 * *Gaillardia pulchella* Foug.

var. *lorantziana, pieta*
Blanket flower (E), Kailardia (A).
Commonly cultivated.
Importance : La Lb Le Li Lk Lv
Bailey 1014.

502 * *Gazania rigens* R. Br.

Gazanua (E), Kazania (A).
Cultivated in the middle and the south.
Importance : La Li Lk Ln Lv
Bailey 1012.

503 *Gerbera jamesonii* Bol.

Barberton daisy, Transval Daisy (E), Jerbera (A).
Cultivated throughout the country.
Importance : La Li Lk Ln Lo Lv
Bailey 985.

504 **Helianthus annuus* L.

var. *sativus, ornamentalis.*
Sunflower (E), Wared al-Shams, Ain al-Shams, Abad al-Shams (A), Kola ba rabah rosa (K), Kola baqan (T).
Commonly cultivated throughout the country.
Importance: E Ga Gc Gd I Kc Kg Kh Kj Kl La Lj Lk Lv Ob Oe
Bailey 998.

505 *Helianthus cucumerifolius* Torr. & Gray

Cucumber leaf sunflower, Miniature sunflower (E), Abad al-Shams al-qaseer (A).
Cultivated throughout the country .
Importance: La Li Lj Lk Lv
Bailey 998.

506 **Helianthus tuberosus* L.

Girasole, Jerusalem artichike, Glope artichoke (E), Tartoof, Tartoof al-ardh, Almaza (A),
Cultivated in the northern regions.
Importance: Gc Gd I Mp Nb Og
Bailey 998.

507 **Helichrysum bracteatum* Andr.

var. *monstrosum*
Straw flower, Everlasting flower (E), Wared al-kaghad (A).
Commonly cultivated throughout the country.
Importance: La Lb Li Lk Lv
Anderson 191, Bailey 1022.

508 **Heliptrum album*

509 **Heliptrum roseum* Benth.

Acroclinum (E). Ward al-kaghad (A).
Cultivated throughout the country.
Importance: Lb Li Lk Lv
Bailey 1022, Sadiq 286.

510 **Lactuca sativa* L.

Lettuce, Garden Lettuce. Cabbage lettuce (E), Khas (A) Kahoo (K).
Cultivated throughout the country.
Importance: Gd I J Oi Rc Re

511 **Lactuca scariola* L.

Prickly Lettuce, Compass plant (E) Khas al-zeet, Murrair, Um-al-Halib (A).
Cultivated throughout the country.
Importance: Gc Gd I Kc Kg Rc Re
Bailey 984.

512 *Rudbekia bicolor Nutt.*

Black eyed Susan (E), Rudbekia (A).
Occasionally cultivated.
Importance: La Li Lk
Anderson 137.

513 **Santolina chaemaecyparissus* L.

Lavender cotton (E), Sheeh (A).
Cultivated throughout the country.
Importance: I Kd Kk La Li Lk Lv Mi
Bailey 994.

514 *Sanvitalia procumbens* Lam.

Sanvitalia (E), Sanfitalia (A).
Occasionally cultivated.
Importance: La Li Lk Ln
Bailey 1002.

515 **Tagetes erecta* L.

Big marigold, Arfican marigold , Aztec marigold (E), Ja'fari (A).
Commonly cultivated throughout the country.
Importance: I La Li Lk Lv Ob

516 **Tagetes patula* L.

French marigold (E), Qadeefah, Qateefah (A), Kola reh ro (K).
Commonly cultivated throughout the country.
Importance: I La Li Lk Lv
Anderson 143, Bailey 1013.

517 *Tagetes tenuifolia* Cav.

var. *pumila.*
Marigold (E), Ja'fari al-qaseer (A).
Occasionally cultivated.
Importance: La Li Lk Lo Lv
Bailey 1013.

518 **Tanacetum vulgare* L.

Tanzy (E), Hashishat al-malikah (A).
Cultivated all over the country.
Importance: I Kd Lq Mi Mp Of Q
Bailey 992.

519 *Tithonia diversifolia* Gray

• 520 *Tithonia rotundifolia* Blake

Mexican sunflower (E), Teetonia (A).
Occasionally cultivated.
Importance: La Li Lk Lv
Bailey 997

• 521 **Ursinia anethoides* N. E. Br.

Ursinia, South African Daisy, Jewels of veldt (E) Ursinia (A).
Commonly cultivated.
Importance: Lb Li Lk Lo
Bailey 1013.

• 522 *Xeranthemum annuum* L.

Common Immorelle (E), Zeeranthemum (A).
Occasionally cultivated.
Importance: Li Lk Lv
Anderson 191, Bailey 1026.

• 523 * *Zinnia elegans* Jacq.

vars. Giant Mammoth, Lilliput and Dahlia flowered.
Garden Zinnia, Youth and Old Age (E), Ziniah, Yangi Dunya (A & T).
Commonly cultivated throughout the country.
Importnce : La Li Lk Lo Lv
Anderson 137, Bailey 1001.

Solanaceae

• 524 * *Capsicum frutescens* L.

Syn. *Capsicum annuum*
var. *qrossum*, Sweet chillies, Bell pepper (E), Fullaiflah, filfil Helwah, filfil thakheen (A), Beberitsor (k), Bibber (T).
var. *Longum*, Red or long pepper (E), Filfil har (A).
var. *ceraciforme*, Filfil darroh, Filfil Karezi (A).
var. *conoides*, Filfil maghzili (A).
var. *fasciculatum*, Filfil hozmi (A).
Cultivated throughout the country.
Importance : D Gd I Na Nb Oi Pb Rb Re
Bailey 873, Chakravarty 18.

• 525 * *Cestrum diurnum* L.

Day Jasmine (E), Shabboy Shajari (A).
Cultivated in the middle and the south.
Importance : Lh Lj Ln Lo Lr
Bailey 874, Whitehead 86.

• 526 * *Cestrum nocturnum* L.

Night Jasmine (E), Shabboy Shajari Laili (A).
Cultivated in the middle and the south.
Importance : I Kd Kk Lh Lj Ln Lo Lr Lw
Bailey 874.

• 527 *Datura metel* L.

Syn. *D. fastuosa*
Datura (E), Datoora, Tatura, Safir al-sultan (A).
Occasionally cutivated in the south.
Importance : I La Lj Lk Lr Q
Bailey 777, Rawi 48.

528 *Datura stramonium* L.

Thorn apple, Jimstowm weed (E), Datoora, Tatura, Nafeer (A).
Occasionally cultivated.
Importance: I J La Lj Lk Mt Q
Chakravarty 60.

529 *Lycium barbarum* L.

Boxthorn, Prickly Box, Bastard's Jasmine, Matrimony vine, Tea Plant (E), A'usaj, Sarseem (A).
Wild but Occasionally cultivated in the south for hedges.
Importance: I Kd Lj Ln Lr
Bailey 872.

530 **Lycopersicon esculentum* Mill.

var. *commune* Bailey.
Tomato, Love apple (E), Tamata, Tamatam (A).
Cultivated throughout the country.
Importance: Bb Gd I Kc Ke Kg Kl Nb Nc Oi Pb Rb Re
Bailey 870, Chakravarty 24.

531 *Nicotiana alata* Link & Otto.

Syn. *N. affinis* Moore
Flowering tobacco (E), Tabegh al-zeenah (A).
Cultivated in the middle and south.
Importance: J La Li Lo Mi Q
Bailey 876.

532 **Nicotiana glauca* L.

var. *persica*.
Tree tobacco (E), Tanbak, Tutan hindi, Tutan shirazi (A).
Cultivated in the middle specially Hilla and Kerbala.

Importance: J Mg Mi Q
Chakravarty 53.

533 **Nicotiana rustica* L.

Aztec Tobacco (E), Tabegh (A).
Cultivated in the center and the south.
Importance: Mg Mi Q
Chakravarty 54.

534 * *Nicotiana tapacum* L.
Generally cultivated varieties are Judy's Pride and Virginia; Local varieties cultivatd are Nastramos, Samson, Ma'dan, Kolsur, Khushna, bandar; and recently introduced varieties are Riyakam albriliat, Mohajirin, and Khandaq.
Tobacco (E) Tabegh (A) Dukhan (K) Tutan (T).
Cultivated in the northern regions specially in Sulaimaniya, Arbil, Kirkuk, Duhok and Mosul.
Importance : Gd J Kc Ke La Mg Mi Q
Chakravarty 47.

535 *Nierembergia hippomaniaa* Miera.

var. *violacea* Mill, & *coerulea* Mill.
Cup flower (E) Neeremberjia (A).
Occasionally cultivated .
Importance : Li Ln Lo Ls
Anderson 89, Bailey 878.

536 * *Petunia hybrida* Wilm.

Common garden petunia (E) Bitoonia, Wared al-Boori (A).
Commonly cultivated throughout the country.
Importance : La Lb Le Li Lk Lo Lv
Bailey 879.

537 *Physalis alkakengi* L.

Syn. P. *franchittii* Hort.
Chinese lantern plant, Straw berry tomato, Winter cherry, Alkakengi (E), Karaz al-ardh (A).
Occasionally cultivated in the south.
Importance : I La Lb Lk Mc
Bailey 871.

538 *Salpiglossis sinuata* Ruiz & Pav.

Painted Tongue (E), Salbighlosis (A).
Occasionally cultivated in the middle and south.
Importance : Lb Li Lk
Anderson 129, Bailey 889.

539 *Schizanthus wisetonensis* Low.

Butterfly flower (E), Zehrat al-farashah (A).
Occasionally cultivated.
Importance: Lb Li Lk
Bailey 877.

540 *Solanum jasminoides* Paxt.

Potato vine (E), Wared al-batata (A).
Occasionally cultivated in the middle and south.
Importance: Lh Lj Ln Lw

541 **Solanum melongena* L.

var. *esculentum* Nees.
Aubergine, Brinjl, Egg plant (E), Bazinjan (A), Bainjan (K).
Cultivated throughout the country.
Importance: Gd Pb Rb
Bailey 869, Chakravarty 8.

542 *Solanum seaforthianum* Andr.

Potato vine (E), Wared al-batata (A)
Occasionally cultivated in the middle and south.
Importance: Lh Lj Ln Lw
Bailey 879.

543 **Solanum tuberosum* L.

Potato (E), Batata (A)
Cultivated throughout the country.
Importance: Gc Gd Oc Rf
Bailey 865, Chakravarty 4.

Convulvulaceae

544 *Argyreia speciosa* Sw.

Wooly morning glory (E), Mutasalleq al-fudhi (A)
Occasionally cultivated in the south.
Importance: I La Mj
Bailey 821.

545 *Calonyction aculeatum* Hous.

Moon flower (E), Zehrat al-qamar (A)
Occasionally cultivated in the north.
Importance : Ls Lw Mj
Bailey 821.

546 *Ipomoea batatus* Lam.

Syn. *Convulvulus batatus* L.
Sweet potato (E) Batata Helwa (A), Shirin batata (K), Shakar qand (T).
Cultivated in the southern region.
Importance : Ba Gc Gd Pb Rd

• 547 *Ipomoea diversifolia* Poir.

Morning glory (E) Telefone (A).
Occasionally cultivated in the middle and suoth.
Importance : La Ln Lo Lw
Bailey 819.

• 548 * *Ipomoea purpurea* Lam.

Syn. *Convulvulus majos* Hort.
Tall morning glory (E), Lilofar, Ibomea, Mutasalleq al-boori(A).
Cultivated throughout the country.
Importance : La Lj Lw
Bailey 820.

• 549 * *Ipomoea tricolor* Cav.

Syn. *I. rubro-caerulea* Hook.
Heavenly blue morning glory (E), Mutasalleq al-boori azraq (A).
Cultivated throughout the country.
Importance La Lj Lw
Bailey 820.

550 *Quamoclit pinnata* Bojer.

Cypress vine, Indian pink (E)Kuamoklit (A).
Occasionally cultivated throughout the country.
Importance : La Lj Lo Lw
Bailey 822, Whitehead 188.

Nolanaceae

• 551 *Nolana acuminata Mier.*

Nolana (E & A)
Occasionally cultivated.
Importance: Lb Li Lk
Bailey 866.

Scrophulariaceae

552 **Antirrhinum majus* L.

Common snapdragon, Large snapdragon (E), Anf al-thaur, Lisan al-sab'a, Hanuk al-sab'a, Halq al-Sab'a (A), Aslan Aghaji (T).
Commonly grown throughout the country.
Importance: I Lb Le Li Lk Lv

• 553 **Digitalis purpurea* L.

Common foxglove (E), Zehrat al-kastaban (A), Kola kasteela (K) Eskef jejeki (T).
Commonly cultivated throughout the country.
Importance: I Le Li Lk
Bailey 894.

554 **Linaria bipartita* Willd.

Baby snapdragon (E), Halq al-bazoon (A).
Cultivated throughout the country.
Importance: Lb Li Lk
Bailey 896.

555 *Linaria cymbalaria* Mill.

Ivy leaved snapdragon, Toadflax (E), Hashishat al-shaqooq, Halq al-bazoon moa'mmar (A).
Occasionally cultivated.
Importance: I Lb Li Lk Ln Lw
Bailey 896, Whitehead 155.

• 556 **Linaria macroccana* Hook f.

Baby snapdragon (E), Halq al-bazoon (A).

Commonly cultivated throughout the country.
Importance: Lb Li Lk Ls Lv
Bailey 896.

• 575 *Mimulus* luteus L.

Syn. *M. tigrinus*
Monkey flower (E), Zehat al–qird (A).
Occasionally cultivated in the middle and the south.
Importance : Lb Ld Li Lk
Bailey 898.

• 558 *Nemesia strumosa* Benth.

var. *suttoni.*
Memesia (E & A)
Cultivated throughout the country.
Importance : Lb Li Lk Lo Ls
Anderson 143, Bailey 900.

• 559 *Penstemon grandiflorus* Nutt.

Penstemon (E), Benstemon (A).
Occasionally cultivated.
Importance : Lb Li Lk Ln Ls
Anderson 169, Bailey 890.

• 560 *Veronica longifolia* L.

Syn. *V. maritima* L.
Speed well (E), Habaq (A).
Occasionally cultivated .
Importance : Li Lj Lk Ln
Bailey 887

Acanthaceae

• 561 *Thunbergia alata* Bojer.

Black Eyed Susan (E), Thamberjia (A).
Occasionally cultivated .
Importance : La Ln Lo Lw
Bailey 919, Whitehead 211.

GERANIALES

Geraniaceae

• 562 *Pelargonium inquinans* Soland.

Stork's bill, Geranium (E), Jaraniome (A).
Occasionally cultivated .
Anderson 125.

• 563 **Pelargonium odoratissimum* Ait.

Apple Geranium, Nutmag geranium, Rose Geranium (E), Jeraniome a'tariyah, shama'dan (A).
Commonly cultivated throughout the country.
Importance: D Kd Kk Ln Lo Lq Lp
Anderson 125, Bailey 598.

•564 **Pelargonium peltatum* Ait.

Ivy Geranium (E), Jeraniome maddadah, Belkonia shama'dan (A).

• 565 **Pelargonium zonale* Ait.

Zonal Geranium, Horseshoe Geranium (E), Jeraniome shama'dan (A).
Commonly cultivated throughout the country.
Importance: Ln Lo
Bailey 597.

Tropaeoloceae

566 **Tropaeolum majus* L.

Garden Nasturtium, Indian Cress (E), Latini mutasalleq, Latini abu-khanjar (A), Hind teransi (K), Latin jejeki (T).
Commonly cultivated throughout the country.
Importance: D I Kb Lb Li Lk Lo Lv Lw Re
Anderson 163, Bailey 602 .

567 *Tropaeolum minus* L.

Garden Nasturtium (E), Latini qaseer (A).
Commonly cultivated throughout the country.
Importance: Lb Li Lk Lo
Bailey 602.

Balsaminaceae

568 **Impatiens balsamina* L.
Garden Balsam, Lady Slipper (E), Balsam, Wared al-hennah (A).
Commonly cultivated throughout the country.
Importance: La Li Lk Lo Lv Ob Pd
Bailey 644.

POLEMONIALES

Polemoneaceae

569 *Cobaea scandens* Cav.

Cup and saucer flower, Cathedral bells (E), Kobia (A).
Occasionally cultivated in the north.
Importance: La Lj Ln Lw
Bailey 828.

570 *Gilia capitata* Doughl.

Gilia (E), Kilia (A).
Occasionally cultivated.
Importance: Lb Li Lk
Anderson 126, Bailey 824.

571 *Gilia rubra* Hell.

Syn. G. *carpinifolia* Pers.
Gilia (E), Kilia ahmar (A).
Occasionally cultivated.
Importance: La Lb Le Li Lk
Bailey 825.

572 *Leptosiphon hybridus* Hort.

Leptosiphon (E), Lebtosifon (A).
Occasionally cultivated.
Importance: Lb Li Lk
Bailey 824.

573 **Phlox Drummondii* Hook.

Annual Phlox, Drummond Flox, Texas Pride (E), Flox (A).
Commonly cultivated throughout the country .
Importance: Lb Li Lk Lv
Bailey 826.

Hydrophyllaceae

574 *Phacelia campanularia* A. Gray

California Blue Bells (E), Faseelia (A).
Occasionally cultivated.
Importance: Lb Li Lk Oc
Bailey 830.

Boraginaceae

•575 *Anchusa azurea* Mill.

Syn. *A. italica*
Alkanet, Bugloss (E), Lisan al-thaur moa'ammer (A).
Quzudili (T).
Occasionally cultivated .
Importance : I Li Ln Ms

• 576 *Anchusa capensis* Thunb .

Alkanet, Bugloss (E), Lisan al-thaur (A) .
Occasionaally cultivated .
Importance : Lp Li Lk
Bailey 837 .

• 577 *Cynoglossum amabile* Stapf. & Drummond

Hound's tongue (E), Synoklossum (A) .
Occasionally cultivated .
Importance : Lb Le Li Lk
Bailey 832 .

• 578 *Heliotropium arborescens* L .

Syn. *H. peruvianum*
Common heliotrope (E), Heliotrobe, Na'im, Zurraij (A) .
Occasionally cultivated .
Importance : Li Lk Ln
Bailey 838.

579 *Myosotis sylvatica* Hoffm .

Forget-me-not (E), Latansani (A) .
Occasionally cultivated .
Importance : Lb Li Lk
Bailey 834 .

Labiatae

• 580 *Coleus blumei* Benth .

Coleus, Flame nettle (E), Kolyos (A) .
Occasionally cultivated .
Importance : Lk Ln Lo Pd
Bailey 864.

•581 * *Lavendula officinalis* Chaix

Lavender (E), Khazami, Lavanta (A) .
Cultivated throughout the country .
Importance : I Kd Kk Kl Lk Ln Lq Lv Pd
Bailey 851 .

• 582 * *Majorana hortensis* Moench .

Sweet marjoram (E), Bazangosh, Barqadoosh (A) .
Cultivated throughout the country .
Importance : D I Kd Ki Kk Kl Li Lk Ln Lq Mp
Bailey 861 .

• 583 * *Melissa officinalis* L .

Balm, Lemon balm, Bee balm (E) Turanjan (A) .
Cultivated throughout the country .
Importance : D I Kd Kj Kk Kl Lk Ln Lq Ms Oe Pd
Bailey 859 .

• 584 * *Mentha longifolia* Huds .

Horse mint (E), Na'naa' (A) .
Cultivated throughout the country .
Importance : D Gd I Ln Re
Bailey 864 .

585 * *Mentha piperata* L .

Pepper mint (E), Na'naa' filfili (A) .
Cultivated throughout the country .
Importance : I Kd Kk Kl Lk Ln Lo Lq Mp

586 * *Mentha pulegium* L .

European penny royal (E), Falliyah, Batanj (A) .
Cultivated throughout the country .
Importance : D Kd Kk Lk Ln Lq

587 * *Mentha spicata* L .

Spear mint (E), Na'naa' munzili (A).
Cultivated throughout the country .
Importance : D I Kd Lk Ln Lq Pc
Bailey 863 .

588 * *Ocimum basilicum* L .

Sweet Basil (E), Rehanah, Rehan, Rehan al-malik (A) Ruhan (K).
Cultivated throughout the country .
Importance : Bb D I Kd Kk Kl La Li Lk Lo Lq Pd
Bailey 865 .

589 * *Origanum vulgare* L.

Syn. *Origanum majorana* L .
Wild Marjoram, Pot marjoram (E), Oreghanum ,Mardaqoosh (A).
Cultivated throughout the country .
Importance : D I Lk Ln Lo Lq Mi
Bailey 860 .

590 * *Rosmarinus officinalis* L .

Rosemary (E), Aklil al-jabal, Hasalban (A).

Cultivated throughout the country .
Importance : D I Kb Kd Kk Kl Lh Ln Lo Lq Oe Pd
Bailey 850 .

591 *Salvia farinacea* Benth .

Sage (E), Marjan al-azraq (A) .
Occasionally cultivated .
Importance : La Lb Ln Lq
Bailey 858 .

592 * *Salvia officinalis* L .

Garden sage (E), Salfia atariyah (A).
Cultivated throughout the country .
Importance : D I Kd Ki Kk Ln Lo Lq
Bailey 857 .

593 * *Salvia splendens* Sello .

Syn . *S. colorans* Hort .
Scarlet sage (E), Marjan (A), Bongandeem (K).
Cultivated throughout the country .
Importance : Ln Lo Lq
Bailey 858 .

594 *Thymus vulgaris* L .

Common Thyme (E), Za'tar, Sa'tar (A), Jata (K).
Occasionally grown .
Importance : D I Kb Kd Kk Kl Lk Ln Lo Lq Mi Oe
Bailey 862 .

MONOCOTYLEDONES, CALYCIFERAE, BUTOMALES

Butomaceae

595 *Butomus sp.* L .

Water gladiolus, Flowering rush (E), Butomus (A) .

Cultivated throughout the country .
Importance : Ld Rf
Bailey 131 .

Hydrochritaceae

• 596 *Anacharis canadensis* Planch .

Water thyme, Elodea ,Dutch moss (E), Elodea (A) .
Cultivated throughout the country .
Importance : Gb Lc Ld
Bailey 132 .

• 597 *Stratiotes aloides* L .

Crabs claw, Water soldier (E), Stratiotis (A) .
Cultivated all over the country .
Importance : Gb Ld Pf
Manning 228 .

• 598 *Vallisneria spirallis* L .

Tape grass, Wild celery (E), Fallisnaria (A).
Cultivated in aquaria all over the country , also wild
Importance : Gb Ld
Bailey 132 .

ALISMATALES

Alismataceae

• 599 *Sagittaria latifolia* Willd.

• 600 *Sagittaria sagittifolia* L .

Arrow head, Arrow leaf, Duck potato, Wapto (E), Sajitaria (A).
Cultivated throughout the country.
Importance : Gb Lc Ld Rd Rf
Bailey 130.

Aponogetonaceae

• 601 *Aponogeton fenestralis* Hook f .

Cape water lily (E), Abonojeton (A).
Grown in aquaria.
Importance : Gb Lc Ld
Bailey 129.

COMMELINALES

Commelinaceae

602 *Rhoeo discolor* Hance l. e.

Boat lily (E), Rheo (A).
Occasionally cultivated.
Importance : Lk Ln Lo
Whitehead 191.

603 *Tradescantia virginiana* L.

Common spiderwort (E), Tradeskanshia (A) .
Occasionally cultivated.
Importance : Lk Ln Lo Re
Anderson 109.

ZINGIBERALES

Musaceae

604 *Musa nana* Lour.

Dwarf banana (E), Mooz saghir (A).
Cultivated in the south.
Importance : Gd Ha Hd Ln

605 *Musa paradisiaca* L .
var. *sapientum* Kunze
Plantain ,Banana (E),Mooz kabir(A).

Cultivated in the south.
Importance : Gd Ha Hd I Ln Oc
Bailey 286.

Cannaceae

• 606 * *Canna indica* L.

Indian shot, Canna (E), Mooz fijil, Mooz wardi (A),Marzowan (K), Tasbih jejeki, Hind qamishi (T).
Grow throughout the country .
Importance : I Ld Lf Li Lk Ln
Bailey 291.

COROLLIFERAE, LILIALES

Liliaceae

• 607 *Aloe arborescence* Mill.

Aloe (E), Subair shajari (A).
Cultivated throughout the country.
Imoprtance : Ln Ls
Bailey 210.

• 608 *Aloe barbadensis* Mill .

Barbados Aloe (E), Subair aloie (A).
Cultivated throughout the country.
Importance : Ln Lo Ls
Bailey 209.

• 609 * *Aloe variegata* L.

Partridge breasted Aloe (E), Subair al-muraqqat (A).
Cultivated all over the country.
Importance : Ln Lo Ls
Bailey 210.

• 610 *Asparagus asparagoides* Wight

Smilax (E), Asparakus (A).
Occasionally cultivated.
Importance : I Ln Lw
Bailey 215.

• 611 *Asparagus officinalis* L.

var. *altitis*
Common asparagus , Garden asparagus (E), Halyoon , Kashak, Almas (A).
Grown throughout the country.
Importance : Gd Mq Ra

• 612 * *Asparagus plumosus* Baker

Asparagus fern (F), Asparakus sarkhasi (A).
Cultivated throughout the country.
Importance : Lk Ln Lo Lw

• 613 *Asparagus sprengeri* Regel .

Emerald feather (E), Asparakus al-khashen (A).
Cultivated throughout the country.
Importance : Lk Ln Lo
Bailey 216.

• 614 *Aspidistra elatior* Blume

Cast Iron Plant, Parlor Palm (E), Aspidistra (A).
Cultivated throughout the country.
Importance : Lk Ln Lo
Bailey 211.

• 615 *Hemerocallis fiava* L.

Towny day lily, Yellow day lily (E), Zanbaq al-asfar (A).

Cultivated throughout the country.
Importance : Lf Ln Lo
Anderson 73, Bailey 208 .

616 * *Hyacinthus orientalis* L.

var. *albulus*
Dutch hyacinth, Common Hyacinth (E), Sumbul (A).
Cultivated throughout the country.
Importance : Kd Kk Lf Ln Lo
Bailey 234.

617 * *Lilium candidum* L.

Burbon lily, Anunciation lily, Madona lily, White lily (E), Sausan abiyadh, Zanbaq (A), Piaz zanbaq (K).
Cultivated throughout the country.
Importance : I Kd Kk Lf Lk Ln
Bailey 227.

618 *Ruscus aculeatus* L.
Syn. *R* c.f *microgloss* Bertol.
Butcher's broom (E), Ruskus(A).
Cultivated throughout the country.
Importance : Fa I Lh Ln Lo Ra
Bailey 216.

619 * *Tulipa clusiana* DC.

Lady tulip (E), Tulib (A).
Cultivated throughout the country.
Importance: Lf Lk Lo Rf
Anderson 31, Bailey 220.

620 *Yucca aloilifolia* L.

Spanish bajonet, Spanish daggar (E), Yuka (A).
Occasionally cultivated throughout the country.

Importance: Fe Ln Lo Ls

621 *Yucca baccata* Torr, & Datil.

Yucca (E), Yuka (A).
Occasionally cultivated.
Importance: Fe Ln Lo Ls Ra
Bailey 241.

Pontederiaceae

622 *Eichhornia crassipes* Sloms.

Water hyacinth (E), Ekornia (A).
Cultivated throughout the country.
Importance: Gb Gc Ld Oa
Bailey 199.

ARALES

Araceae

623 *Caladium bicolor* Vent.

Calladium (E), Kalladium (A).
Cultivated throughout the country.
Importance: Gd I Lf Lk Ln Rf
Bailey 187.

624 *Zantedischia aethiopica* Spreng

Calla of garden (E), Kalla (A).

625 *Zantedeschia elliotiana* Eng.

Golden Calla (E), Kalla (A).
Cultivated throughout the country.
Importance: Ld Lf Lk Ln
Bailey 180.

Amaryllidaceae

626 * *Allium cepa* L.

Onion (E), Basal (A), Piaz (K), Saughan (T).
Cultivated throughout the country, but more in Babil.
Importance : D Gd I Ln Nb Ob Rc Rf

• 627 *Allium porrum* L.

Porrum, Leek (E), Karath, Karath abu shoshah (A) Kawar (K).
Cultivated in the central and southern Iraq.
Importance : D Gd I Ln Rc
Bailey 246.

• 624 * *Allium sativum* L.

Garlic (E), Thoom (A), Seir (K), Samarsaq (T).
Cultivated throughout the country but more so in Babil.
Importance : D Gd I Kh Kd Ln Rc Rf
Bailey 247.

- 629 * *Amaryllis sp.* L.

Amarylis (E & A).
Cultivated throughout the country.
Importance : Lf Lk Ln
Anderson 175, Bailey 257.

•630 * *Narcissus pseudonarcissus* L.

Daffodils, Trumpet narcissus (E), Narjis (A), Nargis (K).
Cultivated throughout the country.
Importance : I Kd Kk Lf Li Lk Ln Lo Q
Bailey 258.

• 631 * *Narcissus tazetta* L.

Polyanthus, Narcissus (E), Narjis Onqoodi (A).
Cultivated throughout the country.
Importance : Kd Kk Lf Li Lk Ln Lo Q
Bailey 259.

Iridaceae

• 632 *Crocus sativus* L.

Saffron, Crocus (E), Za'faran (A).
Occasionally cultivated.
Importance : D I J Lf Li Lk Ln Lo Ob Pd Q
Bailey 256.

• 633 * *Freesia hybrida* Horf.

Freesia (E), Freezia (A).
Cultivated throughout the country.
Importance : Lf Li Lk Ln Lo
Bailey 281.

• 634 * *Gladiolus sp.* L.

Sword lily (E), Kladiolus, Unsalan (A).
Cultivated throughout the country.
Importance : Lf Li Lk Ln Lo
Bailey 282.

• 635 *Iris pallida* Lam.

Pale flag, Orris, Sweet Iris (E), Sausan (A).
Cultivated throughout the country.

Importance : I Kk Lf Li Lk Ln Lo Pd
Anderson 11, Bailey 272.

• 636 * *Iris pseudocorus* L.

Yellow fiag, Water Iris, False calamus (E), Zanbaq al-mae (A).
Cultivated all over the country.
Importance : Ld Lf Li Lk Ln Mq Ob Oh Pd
Bailey 273.

AGAVALES

Agavaceae

• 637 *Agave americana* L.

var. *marginata* and var. *variegata.*
Century plant (E), Akaf amreeki, Subair amreeki (A).
Cultivated throughout the country.
Importance : I Lj Ln Lo Ls
Bailey 239.

• 638 *Agave franzosisni*

Agave (E), Akaf azraq (A).
Cultivated throughout the country.
Importance : Lj Ln Lo Ls
Sadiq 516.

• 639 *Agave sisalina* Per.

Sissal (E & A).
Occasionally eultivated throughout the country.
Importance : Fg Lj Ln Lo Ls
Sadiq 514.

• 640 *Dasylirion wheeleri* S. Watts.

Wheeler sotol (E), Dasilirion (A).
Occasionally cultivated.
Importance : Bd Gd Ln Lo Ls
Sadiq 438.

• 641 *Dracaena draco* L.

Dragon tree (E), Draseen (A).
Occasionally cultivated in the middle and south.
Importance : Kj Ln Lo Lp Of
Bailey 241.

• 642 *Dracaena indivisia* Forst f.

Dragon tree (E), Draseena (A.)
Occasionally cultivated in the middle and south.
Importance : Ln Lo
Sadiq 438.

• 643 *Pincenictita tuberculata* Hort. ex. Lem.

Syn. *Nolina tuberculata*
Pincinectita (E), Binsenictita (A)
Occasionally cultivated in the middle and the south.
Importance : Ln Lo
Sadiq 440.

• 644 *Polyanthus tuberosa* L.

Tuberose (E), Zanbaq (A).
Cultivated throughout the country.
Importance: Kd Kk Lf Ln Lo
Bailey 239.

Palmaceae

645 *Caryota mitis* Lour.

Syn. *C. sobolifera* Wall.
Caryota palm (E), Maqsoosah, Nakheel deil al-samak (A).
Occasionally cultivated in the middle and the south.
Importance: Lh Lm Ln Lo Oc Rc
Bailey 172.

646 *Caryota urens* L.

Wine palm (E), Maqsoosah, Nakheel deel al-samak (A).
Occasionally cultivated in the middle and south.
Importance: Fa Lh Lm Ln Lo Oc Og
Bailey 172.

647 *Carypha gebanga*

Syn. *C. elata*
Caryota palm (E), Nakheel kareefah (A).
Occasionally cultivated in the middle and the south.
Importance: Lh Lm Ln Lo
Sadiq 442.

648 * *Chamaerops humilis* L.

Dwarf fan (E), Nakheel al-kamerobs (A).
Cultivated throughout the country.
Importance: Fb Fe Lh Lm Ln Lo Rc
Bailey 168.

649 * *Chrysalidocarpus lutescens* Wendl.

Syn. *Areca lutescens* Bory
Medagascar palm (E), Lafa, Nakheel braheyah (A).

Cultivated throughout the country.
Importance: Lh Lm Ln Lo Ra
Bailey 172.

650 *Cocos nucifera* L.

Coconut (E), Jauz al-hindi (A).
Cultivated in the south.
Importance : Ba Bb Fb Fe Fg Gc Gd I Kk Kl Lh Lm Ln Mu Na Of Og Pa Pc Pd Q Sa Sb Sc Sd
Bailey 175.

651 *Erythea glauca* S. Watts

Syn. *Brahea glauca*
Hesper palm (E), Nakheel al-azraq (A).
Occasionally cultivated in the middle and the south.
Importance : Lh Lm Ln
Bailey 176.

652 *Howea belmoreana* Becc.

Syn. *Kentia belmoriana* F. Muell.
Curly palm (E), Nakheel al-kentia (A).
Cultivated throughout the country.
Importance : Lh Lm Ln Lo
Bailey 176.

653 *Howea foresteriana* Becc.

Flat leaf palm (E), Nakheel al-kentia (A).
Cultivated throughout the country.
Importance : Lh Lm Ln Lo
Bailey 176.

654 *Livistona australis* Mart.

Fan palm (E), Nakheel lefistonia al-australi (A).
Cultivated in the middle and south.
Importance : Lh Lm Ln Lo
Sadiq 442.

655 *Livistona chinensis* R. Rr

Chinese fan palm, Fountain palm (E), Nakheel lataniah (A).
Cultivated in the middle and south .
Importance : Lh Lm Ln Lo Lp
Bailey 169.

656 *Livistona rotundifolia* Mart.

Syn. *L. altissima* Zoll.
Liviston (E), Nakheel lefistonia mustadarat al-awraq (A)
Occasionally cultivated in the middle and south.
Importance: Lh Lm Ln Lo
Bailey 169.

657 *Phoenix canariensis* Chaband

Canary Island Dates (E), Finix al-kaneri, Nakheel al-kaneri (A).
Cultivated in the middle and south.
Importance : Lh Lm Ln Lp
Bailey 171.

658 * *Phonenix dactylifera* L.

Date palm (E), Nakheel al-tamur (A) , Khorma (K & T).
Extensively cultivated in the middle and south and is most important cash crop for the country . About 627 varieties are grown of which the following selections are of great commercial importance: Hillawi, Kadhrawi, Sair, Daeri, Breem, Jibjab, Zahdi, Khastawi, Mir Hajj,

Ashrasi, Maktoom, Barhi, Sukkari, Abdali, Khiarah, Rowaiz, Shilibi, Shuwaifi, Hassawi, Ashqar, Tabarzal, Barbin, Quntar, Umm al-dehen, Hailawi and Khasab.
Importance : Ba Bb Fb Fe Gc Gd Hb Hd I Kc Lh Lm Ln Mn Mq Mu Ma Nb Nc Oi Pa Pb Pc Rf Sa Sb Sc Sd Se
Bailey 171, Al-Bakr.

659 *Phoenix Loureri* Kunth.

Pigmy dates (E), Finix al-qaseer(A).
Cultivated in the middle and south.
Importance : Fe Lh Lm Ln Lo Lp
Bailey 171.

66z *Rhapis excelsa* Hen.

Syn. *R. flabelliformis* Ait.
Rhapis (E), Nakheel rabis (A).
Grown all over the country.
Importance : Fe Lh Lm Ln Lo
Bailey 166.

661 * *Rhapis humilis* Hen.

Rhapis (E), Nakheel rabis (A).
Cultivated throughout the country.
Importance: Lh Lm Ln Lo
Bailey 166.

662 *Sabal palmetto* Todd.

Common palmetto, Cabbage sabal (E), Nakheel al-sabal (A).
Occasionally cultivated throughout the country.
Importance: Fa Fe Lh Lo Mu Oe Ra Sc Sd
Bailey 169.

663 * *Washingtonia filifera* Wendl.

Common palm, Thread palm (E), Nakheel washintoni, Nakheel al-mahaffah (A).
Widely cultivated throughout the country.
Importance: Fe Lh Lm Ln Lp Mu Ra
Bailey 168.

664 * *Washingtonia robusta* Wendl.

Washington palm, Thread palm (E), Nakheel washinjtoniah (A), Nakheel al-zeenah (A).
widely cultivated throughout the country.
Importance: Lh Lm Ln Lp
Bailey 168.

GLUMIFLORAE, CYPERALES

Cyperaceae

665 *Cyperus alternifolius* L.

Umbrella grass (E), A'ashab al-shamsiah (A).
Cultivated throughout the country.
Importance: Ld Lh Ln Lo
Bailey 162.

GRAMINALES

Gramineae (Poaceae)

666 * *Agrostis palustris* Huds.

Syn. *A. maritima* Lam, *A. alba* Auth.
Greeping bent, Seaside bent, Redtop (E), Akrostis (A).
Grown throughout the country.
Importance: Gc Lt Ln Ph
Bailey 150.

667 * *Arundo donax* L.

Giant Reed, Arrow reed, Pole reed, Cypress reed, Evergreen reed (E), Qasab, Ghab farisi, Ghab roomi (A), Qameesh (T).
Gromn all over the country.
Importance : Fe I Ld Lj Ln Ml Sd
Bailey 159, Townsend 372.

668 *Avena sativa* L.

var. Falastini, FAO2624, FAO2626.
Oat, Groats (E), Dosar, Shoofan (A), Kaltas (K) Jodar (T).
Occasionally cultivated in the north.
Importance : C Gc Gd I Ln Oi Pg
Bailey 143, Townsend 65.

669 * *Bambusa glauceseans* Sieb.

Syn. *B. multiplex* Rausch & Schult.
Bamboo (E), Khaizaran (A), Kheezran (K).
Cultivated in the center and south under irrigation.
Importance : Fa Fd Fe Ld Lj Ln Mb Ml Oa Sa Sc Sd
Townsend 42.

670 * *Bambusa tulda* Roxb.

Bengal bamboo (E), Khaizaran (A), Khaizaran (K).
Grown in the middle and south under irrigation.
Importance : Fa Fd Fe Ld Lj Ln Mb Me Oa Ra Sa Sc Sd
Townsend 44.

671 *Bromus catharticus* Vahl.

Rescue grass, Schrader's broom (E), Sanila, Hanaita, Sha'eerah(A).

• 672 *Bromus inermis* Leyss.

var. *manchar*
Awnless Hungarian broom, Smooth broom (E). Sanila, Hanaita, Sha'eerah (A).
Grown in the nothern regions.
Importance : Gc Mm
Bailey 150 - 51.

· 673 *Buchloe dactyloides* Engelm, I.c.

Buffalo grass (E), Buchlo (A).
Grown sometimes in the north.
Importance: Fe Gc Mm Pd
Bailey 149, Townsend 76.

◦ 674 *Chloris gayana* Kunth.

Rhodes grass (E), Kloris (A).
Grown sometimes in the south.
Importance: Gc Mm
Bailey 149, Townsend 76.

◦ 675 * *Cynodon dactylon* pers.

Syn. *Panicum dactylon* L.
Bermuda grass, Bahama grass, Dog tooth grass, Creepingfinger grass, Wire grass (E), Thaiel, Najeel, Najem, Rashad, Najeer (A).
Grown throughout the country.
Importance: Gc I Ll Ln Mm
Agnew 140, Bailey 149.

• 676 *Dactylis glomerata* L.

Var. *latar*
Cock's foot, Orchid grass (E), Dactylis (A).
Introduced in the north in 1971.
Importance: Gc Ln Mm
Bailey 150, Townsend 76.

• 677 *Festuca arundinacea* Schreb.

Tall Fescue (E), Festuka (A).
Occasionally grown in the northern regions regions.
Importance: Gc Ln Mm Ph
Townsend 83.

• 678 *Festuca pratensis* Huds.

Tall fecue, Meadow fescue (E), Festuka, Thammam (A).
Occasionally grown in the north, introduced in 1971.
Importance: Gc Ln Mm
Bailey 150.

• 679 * *Hordeum distichon* L.

Syn. *H. sativum* Pers. var. *distichon* Beck.
Two-rowed Barley, Pearl Barley (E), Sha'eer Abu sikkatain, Sha'eer Abu Suwaif, Sha'eer aswad (A), Juresh (K).
Cultivated as a winter crop in the lower forest zone and steppe upto 800 m.in the north as well as in the plains of central Iraq under irrigation.
Importance : Ba Bb C Gc Gd I Mq Oc Pq
Bailey 145, Townsend 246

680 * *Hordeum vulgare* L.

Syn. *H. hexastichon* L., *H. sativum* var. *hexstichon* Richt.
Four or Six rowed barley (E), Sha'eer sparqalan (A) Jau (K), Arpa (T).
Cultivated in the lower forest zone and steppes region in the north and in the desert region of the center .
Importance : Ba Bb C Fe Gc Gd I Mq Oc Pq
Agnew 121, Townsend 254.

681 *Lolium multiflcrum* Lam.

Italian Rye grass (E), Lolium (A).

682 *Lolium perenne* L.
Rye grass (E), Lolium (A).
Wild, but some times cultivated as a pasture grass in the north.
Importance : Fa Gc Mm Pg
Townsend 93.

683 * *Oryza sativa* L.

varieties : bazian, karmit bazian, haidoo 4, hoyaizi, najafi, a'ala Shatook mahalli, naggaza abiyadh, sadri, ma'mooli, sadri nasha. a'mbar, basri 513, na'ema, gharbiah 446, ghareeba, hoyizawi, bayana, aqrawighanja 34 (Local selections) ,IRRI 18 (Introduced).
Rice, Paddy (E), Riz, Timman, shilib (A), chalatook, Pushak (K), Biranj (T).
Cultivated mostly in the low lying marshy districts in the south , persian foot hills, falluja & Musaiyab. In the north, cultivation is limited. Harfi crop is sown in early winter, whereas Alfi crop is sown late.
Importance : Ba C Fb Fd Fe Gd I Kc Kl Oe Oi Pa Pc
Agnew 90, Bailey 143, Townsend 46.

684 *Panicum antithodale* Retz.

Witch grass, Elue panicum (E), Banikum, Dahan (A).
Cultivated in the middle and south.
Importance : C Gc
Townsend 486.

685 *Panicum miliceanum* L.

Prose millet, Corn millet, Broom Corn, Hog millet, Common millet (E), Dikhen, Dahnan (A).
Cultivated in the alluval plains and desert regions of the central regions specially between Kut and Nasiriyah.
Importance : Ba C Ga Gc Oc Pq
Bailey 148, Townsend 486.

686 *Pennisetum glaucum* Br.

Syn. *Setaria glauca* Beauv.
Local var. abyadh, asfar.
Pearl-,Indian-, African-Millet (E), Thammam, Dikhen (A).
Cultivated in the middlr and south, also in Arbil and Duhok.
Importance : C Gc Pg
Bailey 146, Townsend 496.

687 *Phleum pretense* L.

Timothy (E), Fleum (A). f
Occasionally cultivated in the north.
Importance : Gc Pg
Townsend 312.

688 *Poa pratensis* L.

Kentuky Blue grass, Meadow grass, June grass (E), Boa, Quba'(A).
Wild in the central sector of the fore stzone,but occasionally cultivated.
Importance : Ll Mm
Bailey 153, Townsend 110.

689 *Saccharum officinarum* L.

var. Co 213, 285 (good), 295, 296, POJ 105, 2817, misri ahmar 281.
Sugar cane (E), Qasab sukar (A), Qameesh sukar (T).
Cultivated in the south specially Amarah.
Importance : Ba Bb Fd Ff Gc I Mp Og Pc Pf
Bailey 140, Townsend 540.

690 *Secale cereale* L.

var. *itali*
Rye (E), Shaylam (A).
Occasionally cultivated.
Importance: Ba C Gc Gd Mm Mq Oc Pf Pg
Bailey 145, Townsend 260.

691 *Setaria italica* Beauv.

Syn. *Panicum italicum* L.
Japanese-, Foxtail-, Italian-Millet (E), Dikhen (A), Karas, Harzeen (K).
Grown in the middle and south as well as in steppes and hills upto 1000m.
Importance : C Ga Gc Mm Pf
Townsend 502.

692 * *Sorghum vulgare* Pers.

Syn. *Andropogon sorgham* Brot.
Varieties : *dura*,, *sudanese*, *yamanese*, *globossum* (foreign) zarrah baiydha mahalliah (local). According to uses the varieties are referred to as Zarratul — a'laf, — huboob, — makanis and — mara'i.
Sorgham, Giant-,or African- millet, Kafirs corn (E),Zarrah baiydha mahalliah (A), Zarrat sipi (K), Baiydha dari (T).
Cultivated throughout the country.
Importance : C Ga Gd Pf Pg Q
Bailey 141, Townsend 550.

693 * *Triticum aestivum* L.

Syn. *T. sativum* Lam., *T. vulgare* Vill.
Varieties: sabir beg, turkiya, faransiyah, mexipak, mexico 24, inia 66 (grown in the north), ajeeba, kenya gular, kareeta, sha'biah, turkiyah, fransiah and mexipak (grown in the middle and south).
Common wheat (E), Qameh, Hintah (A), Ganam, Gandum (K) Baghdai (T).
Cultivated throughout the country but more in the north.
In the stepps, mountain valleys and forest zone it is cultivated in daims soil where as in desert regions it is grown as an irrigated crop.
Importance : Ba C Fb Fd Fe Gc Gd Oe Pa Pf
Townsend 197.

694 *Triticum cathilicum* Nevski .

Syn. *T. persicum* Var., *T. dicoccum* Schueb.
Persian black wheat (E), Qandhari ahmar, Umm al- Safa (A).
Occasionally cultivated in the steppes and desert regions under irrig ation.
Importance : C Gc Pf
Rechinger 117, Townsend 202.

695 *Triticum compactum* Host.

Club wheat, Dwarf wheat, Cluster wheat, Hedge hog wheat (E), Hantah walwal (A), Rashdas (K).
Occasionally cultivated in the lower forest zone, steppes and desert regions.
Importance : C Gc Gd Oc Pa Pf
Rechinger 117, Townsend 203.

696 * *Triticum durum* Desf.

varieties : sooragool (in Mosul and Zakho), semakiya (around Zakho)

falasteeniah (Shaqlawa and Telkef), senator carpilli, italia, Khashna, guri (Duhok, Zakho, Sheekhan, Aqra, Jezeerah, Arbil, Kirkuk, Sulaimaniyah)Hard wheat, Macarroni Wheat, Durum Wheat (E) Hintah khashnah (A), Ganam, Rashgool (K).
Culivated mostly in the north.
Importance : C Gd Oc Pf
Rechinger 116, Townsend 205.

697 *Triticum turgidum* L.

English Wheat, Poulard Wheat, Cone Wheat (E), Hantah(A), Ganam (K).
Occasionally cultivated in the daim lands of the steppes and lower forest zone (specially Sinjar).
Importance : C Gc Gd Oc Pf
Bailey 146, Townsend 208.

698 * *Zea mays* L.

Varieties : Laltin (Indian), mahalli (Local), Japonica (ornamental).
Maize, Corn (E), Udhrah safra, shamiaya (A), Gunma shamiya (K).
Sari dari (T).
Grown throughout the country specially in the middle.
Importance : Ba C Ff Ga Gc Gd I Kc Kg Kh Kj La Lk Ma Mm Oc Pa Pb Pc Pd Pf Pg Rb
Townsend 558.

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Mj. Latex
Mk. Musical Instruments
Ml. Legume
Mm. Pasture Plants
Mn. Sacred Plants
Mo. Seeds
Mp. Sources of Various Substance
Mq. Coffee Substitutes
Mr. Soap Substitutes
Ms. Tea Substitutes
Mt. Tobacco Substitutes
Mu. Thatching Leaves

N. PLANT PRESERVES

Na. Dried
Nb. Pickled
Nc. Wet

O. PLANTS SOURCE OF

Oa. Cellulose
Ob. Dyes
Oc. Flour and Starch
Od. Gum
Oe. Honey
Of. Resins
Og. Sugar
Oh. Tannin
Oi. Vitamins

P. PLANTS USED IN/AS/ FOR

Pa. Baking Industry
Pb. Canning and Bottling Industry
Pc. Confectionary
Pd. Cosmetics
Pe. Crop Rotation
Pf. Manure
Pg. Mixed Farming
Ph. Soil Reclamation, Conservation and Binding

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R. VEGETABLES

Ra. Buds and Youg Shoots
Rb. Fruit and Inflorescence Crops
Rc. Leaf Crop
Rd. Root Crop
Re. Salad
Rf. Stems: Tubers, Corns, Bulbs. Rhizomes etc.

S. WOOD

Sa. Fine Carpentry
Sb. Fual and Charcoal
Sc. General Carpentry
Sd. General Construction
Se. Important in Industries

(b) IMPORTANCE

A. **AFFORESTATION**

7 10 18 39 74 75 98 122 123 145
148 150 153 – 155 162p 166 257 259 272 275
291 293 294p 295p

B. **BEVERAGES**

Ba. **Alcoholic**

33 40 41 44 47 52 53 79 93 146
175 267 280 431 546 646 650 658 679 680
683 685 689 690 693 698

Bb. **Soft and Juices**

36 40 41 44 47 53 80 196 236 280
282– 286 288 298 530 588 640 650 658 679
680 689

C. **CEREALS**

422ps 668 679 680 683 – 686 690 – 698.

D. **CONDIMENTS SPIECES AND FLAVOURING AGENTS**

11 12 24 25 45 57 80 117 129 180
266 280 282 283 285 290 300 315 332 359
401 452 –460 468 524 563 566 582– 584 586 –
590 592 594 626 – 628 632.

E. **EDIBLE SEEDS AND NUTS**

4 6 19 39 92 133 162 – 164 168 198
199 202– 205 299 300 504.

F. **FIBERS**

Fa. **Brush, Brooms etc.**

432 618 646 662 669 670 682

Fb. **Filling and cauling**

227 228 230 231 328 329 648 650 658 683
693

Fc. **Natural Fabrics**

174 206 207

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p possible

ps pseudocereal

Fd. Paper Making

97 124 172 174 175 178 220 221 230 231
233 243 669 670 683 689 693

Fe. Plaiting and Rough Weaving : Hats, mats, baskets etc.

124 155 –159 172 175 318 351 359 369 380
620 621 648 650 658– 660 662 663 667 669
670 673 680 683 693

Ff. Synthetic

90 102 689 698

Fg. Textile

97 172 220 221 228 230 – 233 236 243 639
650

G. FOOD PLANTS

Ga. Birds and Poultry

2 118 119 132 137 172 181 504 685 691
692 698

Gb. Fish

1 2 373 375 – 379 442 446 596 – 601 622

Gc. Livestock (include: Fodder, Forage, Silage, Dried pulps and Oil cakes)

74 75 77 79 86 88 92 94 99 102
109 –119 121 122 125 – 128 130 – 137 164 172
204 208 222 230 231 243 274 280 282 –289
299 319 348 349 388 393 419 420 430 –432
457 476 504 506 511 543 546 622 650 658
666 668 671 – 682 684 – 695 697 698

Gd. Man (include: Cereals, Vegetables, Edible Oils, Fruits, Nuts, Pulses etc.)

6 19 23 32 – 36 38 – 49 52 53 80
92 94 99 102 109 110 115 118 – 120 133
137 161 –164 168 172 176 181 – 183 196 199
201 –210 218 222 230 231 233 243 250 262
267 272 274 275 280 – 289 298 – 300 319 322
349 388 390 – 393 401 406 419 422 431 433
453 457 476 504 506 510 511 524 530 534
541 543 546 584 604 605 611 623 626 –628
640 650 658 668 679 680 683 690 692 693
695 –698

Ge. Silk Worm

179 181 182

H. FRUITS

Ha. Fall and Winter

34 53 267 281 – 289 319 604 605

Hb. Spring and Summer

32 33 35 36 38 40 – 49 52 53 176
181– 183 198 199 218 262 274 275 280 281
298 658

Hc. Temperate

32 33 34 36 38 – 49 52 53 181 –183
198 199 218 280

Hd. Tropical and Subtropical

23 35 80 176 196 262 267 272 274 275
281 –289 298 319 322 604 605 658

I. MEDICINAL PLANTS

3 8 10 – 12 14 – 16 21 24 25 28
31 34 36 39 40 43 45 47 53 56
57 70 71 73 75 79 80 88 92 –95
97 – 99 109 115 117 122 124 127 129 141
146 150 152 – 155 157 – 159 161 164 166 171–
173 175 176 179 – 182 186 189 192 193 195
197 –209 220 227 229 – 233 235 236 239 243
249 250 256 – 259 261 266 – 270 273 – 275 277
282 285 286 289 –291 294 295 297 298 301 –
305 307 314 315 319 320 323 – 325 327 –329
331 333 335 339 346 349 351 359 361 363
371 372 375 381 385 387 388 393 394 397
401 405 406 419 422 428 432 – 436 447 450
452 –460 468 470 472 474 476 479 483 486
495 504 506 510 511 513 515 516 518 524
526 –530 537 544 552 553 555 566 575 581 –
585 587 –589 590 592 594 605 606 608 610
617 618 623 626 – 628 630 632 635 – 637 650
658 667 668 679 680 683 689 698

J. NARCOTICS

172 195 388 434 435 510 527 528 531 532
534 632

K. OILS

Ka. Anointments

92 162 230 231 243 319 349

Kb. Antiseptic and Disinfectant

12 268 259 261 566 590 594 628

Kc. Edible

25 38 40 43 90 102 115 162 164 172
230 231 243 250 280 300 319 349 388 391 401
474 476 504 511 530 534 658 683 698

Kd. Essential

10 – 16 18 24 39 57 59 84 108 124
146 164 173 192 250 – 255 258 261 266 282 –
290 332 333 359 388 393 394 407 409 436
452 –460 468 470 474 483 513 518 526 529
563 581 –583 585 – 588 590 592 594 616 617
628 630 631 644

Ke. Fatty Drying

102 115 163 172 243 280 388 476 530 534

Kf. Fatty Non-drying

39 92 162 250 251 300 319

Kg. Fatty Semi-drying

40 42 43 48 52 53 198 199 202 230
231 282 –289 349 391 393 504 511 530 698

Kh. Illuminant and/ or Lubricants

47 92 172 230 231 243 250 280 319 349
388 476 504 698

Ki. Medicinal

10 – 12* 14* 15 39 40 43 230 231 250
289 300 319 349 388 452 – 456 458 – 460 470
582 592

Kj Paint, Varnish Oil Cloth and Linoleum Industry

13 14 92 102 164 172 230 231 243 250
319 388 476 504 583 641 698

Kk. Perfumery Industry

10 14 15 39 57 84 108 251 285 286
289 332 333 349 405 409 436 456 – 458 460

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*Also Important in microscopy

513 526 563 581 – 583 585 586 588 590 592
594 616 617 630 631 635 644 650

Ke. Soap Industry

10 14 15 25 57 92 164 172 230 231
243 250 289 319 333 349 388 458 460 476
504 530 581 – 583 585 586 588 590 592 594
650 683

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La. Annual (Spring and Summer)Flowers

79 95 186 206 – 209 229 234 245 246 250
296 358 361 362 374 384 – 386 388 408 –410
414 418 419 423 – 429 432 439 445 447 463
466 474 482 – 495 497 – 505 507 512 – 517 519
520 523 527 528 531 534 536 537 544 547 –
550 561 568 569 571 588 591 698

Lb. Annual (Fall and Winter) Flowers

99 108 112 192 193 229 235 241 – 243 243
358 361 371 372 384 – 389 394 – 400 402 –404
407 –414 423 – 428 437 438 440 441 445 447
461 463 –465 467 – 469 471 – 475 479 – 492 496
500 501 507 – 509 521 522 536 – 539 551 552
554 –559 566 567 570 – 574 577 579 591

Lc. Aquarium Plants

1 2 373 379 442 443 446 596 598 –601

Ld. Aquatic and Semi - aquatic qlants

1 2 373 375 – 379 442 – 444 446 557 595 –
601 606 622 624 625 636 665 667 669 670

Le. Bienneals

95 229 358 403 404 410 441 447 464 466
486 500 501 536 552 553 571 577

Lf. Bulbs

211 362 374 495 606 615 – 617 619 623 – 625
629 –636 644

Lg. Deciduous

6 26 28 – 34 36 39 – 45 47 48 51 –
53 66 73 – 79 82 84 87 88 98 122 –
124 141 148 – 150 152 – 163 168 – 170 173 175
181 – 183 222 252 267 268 272 275 280 – 285
291 292 294 299 300 305 307 – 309 321 334
335 341 348 355 359 360 434 – 436 451

Lh. Evergreen

4 5 7 – 22 25 28 – 31 35 37 50
55 – 72 80 83 85 86 90 91 93 142 –
145 151 165 – 167 173 177 – 180 184 185 187 –
191 194 – 196 224 – 226 235 237 244 – 246 248
251 253 – 260 263 – 266 269 275 290 297 298
302 – 304 310 – 319 323 325 – 327 329 330 332
333 336 – 338 343 344 350 – 354 356 448 525
526 540 542 590 618 645 – 665

Li. Flower Beds and Borders

36 99 108 112 186 192 193 211 239 – 242
340 358 361 – 363 371 372 374 384 – 389 394 –
400 402 – 404 407 – 414 418 419 423 – 429 432
437 – 441 445 447 461 – 475 477 – 503 505 507 –
509 512 – 517 519 – 523 531 535 536 538 539
551 – 560 562 566 – 568 570 – 579 582 588 606
630 – 636

Lj. Hedges, Shelter Belts, Wall Covers, Wind Breaks and Fences

8 – 16 18 20 26 – 28 30 31 33 37
50 51 57 – 64 76 – 78 81 83 84 88
90 96 99 107 108 124 141 – 145 147 151
184 185 188 – 191 197 200 206 – 209 218 222
229 234 235 237 244 – 246 248 251 – 255 263 –
319 322 – 327 331 338 339 344 – 347 352 – 356

359 360 382 430 434 – 436 451 478 – 481 504
505 525 – 529 540 542 544 548 – 550 560 569
637 – 639 667 669 670

Lk. Herbs

3 192 193 211 229 239 – 242 249 357 361 –
363 371 372 374 384 – 389 394 – 400 402 – 405
407 – 414 418 419 423 – 429 432 437 – 441 445
447 461 – 469 472 – 475 477 – 505 507 – 509 512 –
517 519 – 523 527 528 536 – 539 551 – 560 566 –
568 570 – 574 576 – 583 585 – 589 594 602 603
606 612 – 614 617 619 623 – 625 629 – 636 698

Le. Lawns

357 666 675 688

Lm. Palms

4* 5* 645 – 664

Ln. Perennials

3 – 91 93 96 98 100 101 103 – 105 122 –
124 138 – 171 174 – 196 211 – 219 222 – 227 235
237 – 242 244 – 249 251 – 295 297 – 327 329 339
341 – 348 350 – 360 363 – 370 380 – 383 – 420 421
439 434 – 436 448 – 451 462 465 470 – 472 477
478 480 485 497 499 500 502 503 514 525
526 529 535 540 542 547 555 559 – 565 569
575 578 580 – 587 589 – 594 602 – 610 612 – 618
620 621 623 – 670 675 – 678

Lo. Potted and / or Shaded Plants

3 – 5 25 89 96 177 186 192 193 211 –
219 247 – 249 251 267 290 330 332 333 404
405 415 – 419 426 – 429 448 – 451 465 479 487 –
490 493 494 496 499 503 517 521 523 525

* pseudopalm

526 531 535 536 547 550 558 561 – 568 580
585 588 – 590 592 – 594 602 603 608 609 612 –
616 618 – 621 630 – 635 637 – 649 652 – 656 659 –
662 665

Lp. Roadside and Shade Trees

9 10 15 18 19 51 65 66 76 80
87 88 90 93 98 122 123 150 151 165 –
167 179 181 187 189 222 224 – 226 253 – 260
294 302 – 305 307 309 337 341 350 351 655
657 659 663 664

Lq. Scented Plants

290 470 518 563 581 – 583 585 – 594

Lr. Shrubs

13 22 26 – 31 34 35 50 51 54 56 –
62 64 67 – 69 77 82 – 84 87 – 89 96
100 101 103 124 142 144 146 147 151 158
188 – 191 222 235 237 244 248 252 254 266
267 290 297 302 306 311 313 316 317 322 –
325 327 329 332 333 347 352 354 – 356 359
360 381 382 420 430 434 – 436 451 470 525 –
527 529

Ls. Succulants and Stone Garden Plants

212 – 219 247 252* 330 389 402 415 – 420* 449
450 467* 472* 476* 535* 545* 556* 558* 559* 607 –
609 620 621 637 – 640* * stone gardens plants

Lt. Trees

6 – 10 12 – 21 23 – 25 32 – 35 37 39 –
43 45 47 48 51 – 53 65 70 72 – 76

80 81 83 87 88 93 98 104 105 122
123 148 – 150 152 – 157 159 – 171 174 – 183 187
189 190 222 – 226 238 251 253 255 260 262
265 269 272 – 275 281 – 289 291 – 295 298 – 301
303 – 305 307 – 309 316 – 320 335 337 341 342
345 346 348 350 351 566 568 573 581

Lu. Trimmed Plants

151 188 266 316 – 318

Lv. Vase Flowers

57 108 371 372 389 403 404 409 – 412 429
437 438 447 466 469 474 475 477 – 497 500 –
505 507 – 509 513 515 – 517 519 520 522 523
536 552 556 566 568 573 581

Lw. Vines, Climbers and Creepers

36 59 60 63 95* 99* 107 108 121 138 –
141 143 – 145 173 177 180* 184 185 194 – 197
200 205*– 209* 268* 270 271 276 – 280 296* 310
312 – 315 321 326 331 334 338 339 343 344
353 364 – 370 380 383 421 448 526 540 542
544* 545* 547*– 549* 550 555 561* 566 569* 610
612 * annuals, unmarked perennials

M . PLANTS OF MISCELLANEOUS IMPORTANCE

Ma. Antidotes

95a 160a 274s 339s 698i
a alkaloid poisoning, s snake bite, i iodine, poisoning.

Mb. Bamboos

669 670

Mc. Bath sponges

206 207

Md. Bleach

40 282 285 (Fruit Juices)

Me. Charcoal

47gm 92h 329gp 355t
gp gun powder, gm gas masks, h hulls, t tattoing.

Mf. Fumatories and Masticatories

532 – 534

Mg. Grafting Stocks

34 39 42 51 283 299

Mh. Incense

11 – 14 (wood, leaf twigs, and fruits)

Mi. Insecticides Insect Repellants and Parasiticides

10 12 24 79 117 164 250 291 294 363
371 372 483 486 513 518 531 – 534 589 594

Mj. Latex

175b 176m 545r
b bird lime. m milk coagulant, r rubber coagulant.

Mk. Musical Instruments

205f 667c 669c 670c
c culms, f dried fruits.

Ml. Legumes

65 – 140

Mm. Pasture Plants

111 - 118 125 - 128 130 - 136 671 - 678 681 682
689 691 698

Mn. Sacred Plants

6b 176h 179mc 267m 319mc 658mc
b buddhists, c christians, h hindoos, m muslims.

Mo. Seeds

93j 294b 325c 476r
b beads, c charms, j jewelers weights, r rennet for cheese.

Mp. Sources of Various Substance

18t 24c 31m 57af 59a 81sh 115cc 146f 161m 159s
171po 176r 178sh 189m 266f 274sh 282f 285f 436a 495i
506i 518c 563a 582cp 585cp 689w
a atar, c camphor, cc commercial chlorophll,
f flavoured water, m manna, p pectin, po potash,
r rubber, s salicin, sh shellac t turpentine, w wax.

Mq. Coffee Substitutes (Seed)

56 71 93 94 137 611 636 658 679 680
690

Mr. Soap Substitutes

81 141

Ms. Tea Substitutes (leaves, flowers or fruits)

36 43 56 157 171 176 192 380 486 575
583

Mt. Tobacco Substitutes

45 105 528

Mu. Thatching Leaves

650 658 662 663

N. PLANT PRESERVES

Na. Dried
38 40 41 44 52 80 176 181 - 183 218
280 298 524 650 658

Nb. Pickled
164 197 201 282 283 285 298 319 506 524
530 626 658

Nc. Wet (Jams, Jellies, Pastes etc.)

32 - 36 38 40 41 44 47 49 52 53
80 146 176 181 - 183 195 198 218 236 262
283 286 298 322 530 537 658

O. PLANTS SOURCE OF

Oa. Cellulose
152o 154o 227o 230* 231* 250o 257o 622* 669 670
o woods, seed fibers, *whole plant, unmarked culms

Ob. Dyes
36 54 79 82 92 123 141 160 164 182
183 186 189 222 229 231 277 281 293 301
318 332 333 372 381 387 436 457 476 504
515 568 626 632 636

Oc. Flour and Starch
4 5 94 120 121 133 422 426 543 605
645 646 679 680 683 685 690 693 695 - 698

Od. Gum
18 38 39 43 47 66 66 81 84 87
88 99 93 158 178 221 227 246 257 281
299 300 319 350 351

Oe.H oney

90 115 117 122 198 230 231 289 387 407
411 422 504 574 583 590 594 662

Of. Resins

18 141 154 172 227 294 304 483 518 641
650

Og. Sugar

305 431 495 506 646 650 689

Oh. Tannin

55 65 66 81 84 160 162 164 189 230
231 259 262 267 299 – 301 348 636

Oi. Vitamins

35 36 47 52 53 56 58 280 – 289 459
510 524 530 658 668 683

P. PLANTS USED IN / AS / FOR

Pa. **Baking Industry**

34 40 41 43 44 47 53 162 164 176
204 280 300 322 349 388 650 658 683 693
695 698

Pb. **Canning and Bottling Industry**

33 – 36 38 40 41 43 – 45 47 48 52
53 80 99 119 120 133 176 198 233 262
283 285 286 289 319 524 530 541 546 658
698

Pc. **Confectionary**

39 40 57 92 162 164 192 280 282 283
285 286 289 300 349 455 456 587 650 658
683 689 693 693

Pd. **Cosmetics**

10 – 14 40 57 162 164 182 183 186 230
231 235 251 266 319 322 333 349 436 568
580 581 583 588 590 632 635 636 650 673
698p

Pe. **Crop Rotation**

92 94 96 97 99 102 109 110 112 – 120
125 – 137

Pf. **Manure**

77* 90 – 94 96 97 99 102 109 110 112-
120 125 – 137 230h 231h 250o 319o 393* 422 431o
597 689 – 698

* leaves,o oil cakes,h hulls,p plant remains, unmarked whole plants.

Pg. **Mixed Farming**

97 102 110 118 – 120 133 668 679 680 682
685 – 687 690 692 698

Ph. **Soil Reclamation, Conservation and Binding**

18 65 66 78 82 – 90 92 94 – 96 99
102 106 109 110 112 – 121 125 – 131 133 – 136
155 157 264 266 666 677

Q. POISONOUS PLANTS

39 40 45L 53L 94L 97L 105L 109 124 132L
141 172 200L 250L 255 268 297L 301 323 325
329 355L 387L 388L 394 518 527L 528L 531 – 534
630 632 650* 692L

L Livestoek, * fish, unmarked man

R. VEGETABLES

Ra. Buds and Youg Shoots

392 611 618o 621o 649o 662o 663o 670o

o may be used

Rb. Fruit and Inflorescence Crops

66o 95o 99 118 – 120 133 137 196o 197 201 –
210 233 392i 524 530 541 698

o may be used, i -inflorcscence.

Rc. Leaf Crop

66* 280 393 406 419 431 432* 433 453 476*
484* 485* 510 511 626 – 628 645* 648*

*sometimes eaten when young.

Rd. Root Crop

393 406 431 454* 457 459* 546 599* 600*

* may be used.

Re. Salad

73o 180* 201 220* 221* 401 405* 426* 453 457
458 476* 510 511 524 530 566* 584 603*

* may be used. o flower sometimes used.

Rf. Stems: Tubers, Corms, Bulbs, Rhizomes etc.

390 543 595* 599* 600* 619* 623* 626 628 658

* May be used

S. WOOD

Sa. Fine Carpentry (Includes: carving, inlay work, making instruments, tools, walking sticks, fishing and whip Rods, shingles and interior decoration)

15 17 41 43 – 45 52 53 65 66 74
79 82 91 92 98 105 122 123 141 148 –
154 157 158 164 – 169 171 174 187 222 223
259 269 291 292 295 297 298 318 319 333
337 381 650 658 669 670

Sb. Fuel and Charcoal

7 – 10 12 13 15 16 18 32 41 76
77 79 – 81 122 153 – 155 157 – 159 162 164 -
181 - 184 - 189 190 259 – 274 275 - 291 - 293 299
303 306 309 318 329 333 436 650 658

Sc. General Carpentry (Includes: Making boxes, crates, carts, wagons, doors, cooperage and furniture)

7 9 11 – 16 24 41 43 44 76 81
84 88 98 123 148 149 151 – 154 157 158
163 164 167 – 169 171 175 182 – 183 187 189
223 – 226 257 291 – 295 298 307 333 335 337
341 348 351 435 650 658 662 669 670

Sd. General Construction (Includes: ceiling, pole posts, handle, stacks, railroad ties, ship and boat building, water channels and drains)

7 – 19 33 45 53 76 82 84 90 122
123 148 – 150 152 157 159 162 – 164 166 – 171
175 181 – 183 187 222 – 227 257 159 269 291 –
293 295 297 298 335 337 341 435 650 658
662 667 669 670

Se. Important in Industries (Includes: matches, pencil,paper chiphoard etc.)

13 14 123 150 152 154 157 257 381 658

THE DECORATIVE PLANTS

Addendum I

PTERIDOPHYTA

Aspleniaceae

Asplenium nidus L.
Bird's nest fern (E)
Bailey 85, Whitehead 62.

Polypoliaceae

Nephrolipis exaltata Schott.
Nephrolipis cordifolia Presl.
Ladder fern, Sword fern (E).
Bailey 88, Whitehead 163.

Selaginellaceae

Selaginella apoda Fern.
Selaginella caulescens Spring.
Selaginella kraussiana Braun.
Creeping moss (E).
Bailey 95, Whitehead 201.

DICOTYLEDONES

Apocynaceae

Vinca minor L.
Common periwinkle (E).
Bailey 812, Whitehead 215.

Araliaceae

Hedera canariensis Willd.
Algerian Ivy (E).
Bailey 746, Whitehead 135.

Asteraceae

Chrysanthemum fruticans L.
Paris Daisy, Marguirite (E).
Bailey 985, Whitehead 89.

Senecio cruenta DC
Florist's Cineraria (E)
Bailey 1018, Whitehead 203.

Balsaminaceae

Impatiens holstii Engl. & Franch.
Garden balsam, Busy Lizzie (E).
Bailey 643, Whitehead 135.

Begoniaceae

Begonia socotrana Hook.
Begonia glaucophylla Hook f.
Begonia coccinea Hook.
Begonias (E).
Bailey 693, Whitehead 70-74.

Bigoniaceae

Incarvillea delavayi Burr. & Franch.
Incarvillea compacta Maxim.

var .*grandiflora* Wehr. & var. *brevipes* Wehr.
Incarvilleas (E).
Bailey 905, Whitehead 144.

Cactaceae

Asterophytum myriostigma Lem.
Bishop's hat cactus, Star cactus (E).
Bailey 709, Whitehead 69.

Craussulaceae

Craussula falcata Wendle.
Crassula (E)
Bailey 456, Whitehead 98.

Echeveria setosa Rose & Purpus.
Echeveria (E)
Bailey 468, Whitehead 111.

Kalanchoe laxilra Baker.
Kalanchoe verticillata Elliot.

Kalanchoe blossfeldiana V. Peell.
Bryophyllum, Life Plant(E)
Bailey 466, Whitehead 149

Sedum sieboldii Sweet
var. *variegatum* Hort.
Orpine, Stonecrop(E)
Bailey 458, Whitehead 200.

Cruciferae

Lobularia maritima Desf.
Sweet Alyssum (E).
Bailey 445.

Ericaceae

Rhododendron obtusum Planch .
Rhododendron simsii Planch.
var. *vittatum* Wils.
Azaleas, Rose Bay (E).
Whitehead 189-191.

Euphorbiaceae

Codiaeum variegatum Juss.
var. *pictum* Muel. Arg.
Croton, South sea Laurel (E).
Bailey 622, Whitehead 92.

Geraniaceae

Pelargonium capitatum Ait,
Pelargonium crispum L 'Herr.
Pelargonium tomentosum Jacq.
Pelargonium fragrans Willd.
Pelargonium domestica Bailey.
Geraniums (E).
Bailey 597-598, Whitehead 171-174.

Labiatae

Nepeta hederacea Trev.
Ground Ivy, Gill over the ground, Field balm (E).
Bailey 851.

Moraceae

Ficus elastica Roxb.
var. *decorata*
F ig, Indian Rubber Plant (E).
Bailey 340, Whitehead 123.

Oxalidaceae

Oxalis adentophylla Gill.
Oxalis (E).
Bailey 660, Whitehead 168.

Piperaceae

Peperomia sandersii C. DC.
var. *argyreia* Bailey.
Peperomia (E).
Bailey 318, Whitehead 175.

Primulaceae

Primula malacoides Franch.
var. *rosea* Hort. and var. *alba* Hort.
Fairy Primerose (E).
Bailey 777, Whitehead 185.

Scrophulariaceae

Torenia fournieri Lind.
Torenia (E).
Bailey 602.

Solanaceae

Solanum capsicastrum Link.
False Jerusalem Cherry (E).
Bailey 868, Whitehead 205.

Tropaeolaceae

Tropaeolum minus L.
Baby Nasturtium (E).
Bailey 602.

Verbenaceae

Lantana montividensis Briq.
Jamaica Mountain Sage (E).
Bailey 842, Whitehead 156.

Vitaceae

Ampelopsis brevipedunculata Trantv.
Ampelopsis (E).
Bailey 650, Whitehead 63.

Cissus antartica Vent.
Kangaro vine (E).
Bailey 651, Whitehead 90.

Cissus rhombidifolia Vahl.
Grape Ivy (E).
Bailey 651, Whitehead 90.

MONOCOTYLEDONES

Agavaceae

Agave victoria-reginae Moore
Agave (E).
Bailey 238, Whitehead 61.

Draceana goldieana Bull.
Draceana sanderiana Sander.
Dragon Plant (E).
Bailey 468, Whitehead 111.

Sansevieria trifasciata Prain.
var. *laurentii* N. E. Br.
Snake plant, Mother-in-law's tongue, Bow string hemp (E).
Bailey 239, Whitehead 194.

Amaryllidaceae

Aloe humilis Haw.
Aloe mitriformis Mill.
Aloe (E).
Bailey 209, Whitehead 61.

Amaryllis belladona L.
Belladona lily (E).
Bailey 257, Whitehead 62.

Narcissus bulbocodium L.
Narcissus cyclamineus DC.
Narcissus juncifolius L.
Narcissus, Daffoldils (E).
Bailey 258, Whitehead 161-162.

Araceae

Aglaonema modestum Schott.
Aglaonema pictum Kunth.
Chinese evergreen ,Poison dart (E).
Bailey 182, Whitehead 61.

Caladium picturatum Koch.
Caladium (E).
Bailey 187, Whitehead 80.

Dieffenbachia picta Schoot.
Dumb's cane (E).
Bailey 182, Whitehead 109.

Philodendron cordatum Kunth
Philodendron (E).
Bailey 181, Whitehead 177.

Syngonium podophyllum
var. *albolineatum*
Trileaf wonder (E).
Whitehead 210.

Bromeliaceae

Ananas comosus Merr.
Syn. *Bromelia cosmosa* L.
Pine apple (E).
Bailey 195.

Commelinaceae

Zebrina pendula Schinizl.
Zebrina, Wandering Jew (E).
Bailey 198, Whitehead 217.

Iridaceae

Freesia refracta Klatt.
Freesia (E).
Bailey 281, Whitehead 125.

Iris reticulata Bieb.
Iris (E).
Bailey 274, Whitehead 144.

Liliaceae

Tulipa fostereana Hook.
Tulipa kaufmanniana Regel.
Tulip (E).
Bailey 198, Whitehead 215.

Note : The following plants included in the main text can also be grown as house plants, their serial numbers are given below):

3 141 143 193 – 195 355 364 – 370 465 561 – 565 568 593 602 603 609 610 612 – 614 616 618 624 655

LIST OF CULTIVATED PLANTS REPORTED BY IRAQI NATIONAL HERBARIUM, ABU-GHRAIB, BAGHDAD

ADDEDUM II

DICOTYLEDONES

Acanthaceae

Justacia vasica Nees.
Justacia (E).
Bailey 924.

Amaranthaceae

Amaranths dubius

Aristolochiaceae

Aristolochia tomentosa Sims.
Birthwort (E).
Bailey 346.

Bignoniaceae

Chilopsis linearis Sweet.
Desert willow, Flowering willow (E).
Bailey 906.

Boraginaceae

Symphytum asperum Lep.
Prickly Comfrey (E).
Bailey 836.

Cactaceae

Opuntia cf. *aucheri*

Caprifoliaceae

Lonicera maackii Maxim.
Honeysuckle (E).
Bailey 943.

Symphoricarpos albus Blake
Syn. *S. rivularis* Suks.
Snowberry or Waxberry (E).
Bailey 940 .

Celastraceae

Euonymus japonicas L.
Spindle tree (E).
Bailey 633 .

Compositae

Helianthus laetiflorus Pers.
Showy Sunflower (E)
Bailey 998

Senesio cineraria DC.
Dusty Miller (E).
Bailey 1019 .

Convolvulaceae

Ipomaea acumunata Vahl.
IPomaea palmata

Merremia dissecta Jacq.

Fagaceae

Quercus phellos L.
Willow Oak (E)
Bailey 330

Flacourtiaceae

Dovyalis caffra L, Herr.
Kei Apple, Umkokolo (E)
Bailey 688

Geraniaceae

Pelargonium graveolens L, Herr.
Stork's bill (E)
Bailey 599

Lauraceae '

Persea americana Mill.
Syn. *Persea gratissima* Gaertn.
Avacado (E)
Bailey 422

Leguminosae

Acacia coringera L.
Acacia greggi
Acacia macranthoides
Acacia nilotica

Bauhinia racemosa

Cassia italica

Leucaena leucocephala

Sesbania sesban

Malvaceae

Malva sylvestris L.
Mallow (E)
Bailey 656

Menispermaceae

Tinospora cordifolia

Moraceae

Ficus cunia
Ficus lyrata Warb.
Bailey 339

Maclura pomifera Schneid
Osage orange (E)
Bailey 337

Myrtaceae

Callistimon macropunitatus
Callistimon viminalis

Eucalyptus globosus Labil.
Tasmanian Blue Gum
Bailey 727

Eugenia brazeliensis

Melaluca genistifolia

Oleaceae

Fraxinus velutina Torr.
Ash (E)
Bailey 799

Ligustrum lucidum Ait.
Ligustrum obtusifolium Sieb. & Zucc.f
Privet (E)
Bailey 796

Plumbaginaceae

Limonium bonduellii Kuntze
Bailey 787

Statice suworowii

Rhamnaceae

Rhammus alternus L.
Buckthorn (E)
Bailey 645

Rosaceae

Chaenomeles sinensis Koehne
Syn. *Cydonia sinensis* Thouin.
Chinese quince (E)
Bailey 513

Rutaceae

Ruta chalepensis

Sapindaceae

Koelreuteria bipinnata

Koelreuteria paniculata Laxm.

Golden rain tree (E)

Bailey 640

Solanaceae

Datura inoxia

Lycium brevipes

Withania sominifera

Tamaricaceae

Tamarix aucheriana

Ulmaceae

Celtis laevigata Willd.
Sugarberry, Mississippi hackberry (E)
Bailey 335

Verbenaceae

Verbena tenuisecta Briq.

Moss Verbena (E)
Bailey 841

Vitex pseudo-negundo L.

Vitaceae

Parthenocissus quinquenifolia Planch.
Virginia creeper, Woodbine (E)
Bailye 652

Monocotyledones

Amaryllidaceae

Hymenocallis americana Roem.
Syn. *H. littoralis* Salisb.
Spider lily (E)
Bailey 256

Panacratium maritimum L.
Bailey 256

Zephyranthus candida Herb.
Zephyr lily (E)
Bailey 254

Araceae

Colocasia antiquorum Schott
Elephant's Ear (E)
Bailey 189

Monestra deliciosa Liebm.
Ceriman (E)
Bailey 183

Commelinaceae

Tradescantia fluminensis Vell.
Wandering Jew (E)
Bailey 198

Graminae

Sorghum bicolor Moench.
Sugar sorghum (E)
Townsend 543

Liliaceae

Chlorophytum capense Kunze
Syn. *C. elatum* R. Br.
Bailey 204

Zingiberaceae

Elettaria cordamomum Maton
Bailey 289.

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APPENDIX IV

Inaex of some Kurdish Names

Names and Plant Numbers

Index of Some Turkish Names

Names and Plant Numbers

BIBLIOGRAPHY

General References

Anderson, E. B., M. Fish, A.P. Balfour, M. Wallis & V. Finnis (1964). *The Oxford Book of Garden Flowers.* Oxford University Press,Amen House London.

Bailey, L. H. (1969). *Manual of Cultivated Plants.*The Macmillan Company, N. Y.

Benson, L. (1957). *Plant Classification.* D.C. Heath & Company, Boston.

Boon, B. K. & H. Kleign. (1966). *The Glory of Trees.* Harper and Company Ltd., Sydney.

Borg, U. (1970) *Cacti: A Gardener's Handbook for their Identification and Cultivation.* Balandfor Press, London.

Bower, F. O. (1963) *The Ferns vol. I, II and III.* Hafner, N.Y.

Bretaudeau, J. (1966) *Trees: A guide to the Trees of Great Britain and Europe.* Paul Hamlyn, London.

Cave, N. L. (1959) *The Iris.* Faber and Faber, London.

Compton, J. (1972) *Garden Flowers.* Hamlyn All Colour Paper back, Paul Hamlyn, London.

Conard, H. S. (1956) *How to know the Mosses and the Liverworts.* W. C. Brown Company, Iowa.

Fahmy, I. R. (1959) The Medicinal Plants of the Middle East. *Leb. Pharm. Jor.* 4.1: 12-56.

Fogg, H. G. W. (1961) *The Lilies and their Cultvation.* St. Martin's Press, N.Y.

Harlow, W. M. & E. S. Harrer. (1950) *Text Book of Dendrology.* Mc Graw Hill Book Co., N. Y.

Harris, C. C. (1969) *Roses.* Hamlyn All Colour Paperback, Paul Hamlyn, London.

Hill, A. F. (1951) *Economic Botany: A Text Book of The Useful Plants and Plant Products.* Kogakusha Company Ltd., Tokyo.

Hunt, P. (1969) *Garden Shrubs.* Hamlyn All Colour Paperback, Paul Hamlyn, London.

Hutchinson, J. (1959) *The Families of Flowering Plants: Vol. I Dicots and Vol. II Monocots.* Oxford University Press, London.

Jacobson, H. (1960) *A Handbook of Succulant Plants, vol. I, II & III.* Blanford Press, London.

King, A. (1957) *The Observer's Book of Garden Flowers.* Frederick Warne & Co. Ltd., London.

Knoll, E. U. (1971) *How to Grow Bulbs.* A sunset Book, Lane Books, Mento Park, California.

Lawrence, G. H. M. (1965) *Taxonomy of Vascular Plants.* Macmillan Company, N. Y.

Manning, S. A. (1965) *Systematic Guide to Flowering Plants of the World.* Museum Press Ltd., London.

McQuown, F. R. (1970) *Carnation & Pinks.* David & Charles; Newton, Abbot.

Menninger, E. A. (1962) *Flowering Trees of the World (for tropics and warm climates).* Hearthside Press Inc., N.Y.

Novak, F. A. (1966) *The Pictorial Encyclopaedia of Plants and Flowers.* Paul Hamlyn, London.

Pansiot F. P. & H. Rebour (1961) *Improvement of OliveCultivation.* FAO, Rome.

Park, B. (1969) *Collin's Guide to Roses.* Collins, St. James Palace, London.

Shewell - Cooper, W.E. (164) *The ABC of Chrysanthemums.* The English Universitites Press Ltd., London.

Shewell-Cooper, W. E. (1967) *The ABC of Flowering Shrubs.* The English Universities Press Ltd., London.

Shuttlewroth, F. S. & H. S. Zim (1969) *Fern. Mosses & Fung : A Cuide to non-flowering plants.* Paul Hamlyn, London.

Step, E. (1949) *Wayside and Woodland Ferns.* Frederick Warne and Co. Ltd., N. Y.

Sunset Book ed. Editors of Sunset Books (1971) *Garden Colours.* Lane Books, Mento Park, California.

Sunset Book ed. Editors of Sunset Books (1972) *How to Grow African Violets.* Lane Books,Mento Park, California.

Sunset Book ed. Editors of Sunset Books (1971) *How to Grow and Use Annuals.* Lane Books, Mento Park, California.

Sunset Book ed. Editors of Sunset Books (1971) *How to Grow Roses.* Lane Books, Mento Park, California.

Swain T (1963) *Chemical Plant Taxonomy.* Academic Press, London.

Taylor, N. (154) *Fruits in the Garden.* D. Van Nostand Co. Inc., Canada.

Thompson, H. C. & W. C. Kelly (1959) *Vegetable Crops.* McGraw Hill Book Co. Ltd. N. Y.

Uphof, J. C. T. (1959) *Dictionary of Economic Plants.* Slechert Hafner, Service Agency Inc., N. Y.

Whitehead, S. B. (1965) *The Book of House Plants.* Frederick Warne and Co. Ltd., N. Y.

Whyte R. O. *et al.* (1959) *Grasses in Agriculture.* FAO, Rome.

Whyte, R. O., G. Nelson-Leisner & H. C. Trumble (1966) *Legumes in Agriculture.* FAO, Rome.

Williamson, J. F. (1964) *Lawns and Ground Covers.* A Sunset Book, Lane Books, Mento Park, California.

Willis, F. C. (1957) *A Dictionary of Flowering Plants and Ferns.* Cambridge University Press, London.

Wood, H. J. (1966) *Pelargonium, A Complete Guide to their Cultivation.* Faber & Faber, Russell Square, London.

Zucker, I. (1966) *Flowering Shrubs.* D. VanNostrand Co. Inc. Princeton, N. J.

Selected References on Iraqi Plants

Agnew, A. D. Q. (1962) *Flora of Baghdad District, Part I: Monocotyledons.* Supp. Bull. Col. Sci, Baghdad.

Brichambant, G. P. (1956) Report to the Government of Iraq on the Imrovement of Fodder Production, FAO Report.

Chapman, G. W. (1957) *Forests & Forestry in Iraq.* Govt. Press, Baghdad.

Charkravarty, L. H. (1965) *Solanaceae of Iraq (Taxonomy & Economics).* Min. Agric. Tech. Bull. 18. Govt. Press, Baghdad.

Charkravarty, L.H. (1966) *Monograph on the Cucurbitaceae of Iraq.* Min. Agric. Tech. Bull. 133, Govt. Press, Baghdad.

Daoud, H. S. & M. Y. Sheikh (1970) The Family Verbenaceae in Iraq, *Bull. Col. Sci. Baghdad* ll: 24-44.

Gillet, J. B. (1948) *Fifty Trees and Shrubs Cultivated in Iraq,* In Arabic with English Translation of notes on species. Dep. Agric., Baghdad.

Guest , E. R. (1930) *The Cultivation and Marketing of Linseed.* Dep. Agric. Tech. Bull., Baghdad.

Guest, E. R. (1932) *Notes on Trees and Shrubs for Lower Iraq.* Dept, Agric. Tech. Bull 26, Govt. press , Baghdad.

Guest, E. R. (1933) *Notes on Plants and Plant Products with their Colloquial Names in Iraq,* Dep. Agric. Tech. Bull. 27, Govt. press, Baghdad.

Guest, E. R. (1966) *Flora of Iraq,Vol. I: Introducton.* Min. Agric., Rep. Irq., Baghdad.

Hadac, E. (1961) The Pteridophyta of Iraq. *Bull. Irq. Nat. Hist. Mus.* l. (3): l-ll.

Hassawy, G. S., S. A. Tammimi & H. Al-Izzi (1968) *Weeds in Iraq.* Min. Agri, Tech. Bull. 167, Govt, Press, Baghdad.

Hooper, D. & H. Field (1937) Useful Plants and Drugs of Iran and Iraq. in *Field Mus. Nat. Hist. Bot. Ser.* 9.3: 71-241

Husain, I . (1972) Tentative Management Plant Kawani Range, Hijran plant Watershed. Erbil, FAO Sr/Irq 18. Mimeographed.

Luckman, I.L. (1968) Simple Artificial Key to the Families of Vascular Plants, Compiled and accomodated to Iraqi Flora, Baghdad Bureau, Baghdad. Mimeographed .

Mathur, R. S.(1968) The Fungi and Plant Diseases of Iraq. Mimeographed.

Paterson, D. D. (1929) *Linseed in Iraq.* Dep. Agric. Mem.12 Govt. Press, Baghdad .

Rawi, A (1967) *The Survey of Potato Cultivation in Iraq.* Pub. Za'faraniya Experiment Station, Baghdad.

Rawi, A. (1957) *The Botanical Wealth of Iraq.* Dep. Agric., Baghdad.

Rawi, A. & H. L. Chakravarty (1964) *Medicinal Plants of Iraq.* Dept. Agric. Tech. Bull. 15, Govt. Press, Baghdad.

Rawi, A. (1964) *Wild Plants of Iraq with their Distribution.* Dep. Agric. Tech. Bull. 14, Govt. Press, Baghdad.

Rawi, A. (1966) *Poisonous Plants of Iraq.* Dep. Agric. Tech. Bull. 145, Govt. Press, Baghdad.

Rechinger, K. H. (1964) *Flora of Lowland Iraq.* Weinheim Verlag von J. Cramer.

Reader-Roitzsch, J. E. (1968) *Forest Trees of Iraq.* Rev. & Ed. Olaf Anders & S. A. Kettanah, Pub. Fac. Agric., Univ. Mosul. Mimeographed .

Soofee, K. S. A. A. (1925) *The Economics of Rice and Cotton Cultivation in Dialah Liwah.* Mem. No. 10, Govt. Press, Baghdad.

Thomas, R. & K. Sawhney. (1925) *A Report on Varietal Test with Cotton on the Government Experimental Station Baghdad in* **1922.** Dep. Agric. Iraq, Mem. No. 8, Pub. Empire Cotton Growing Corporation, Millbank House, London.

Townsend , C., E. Guest & A. Rawi (1968) *Flora of Iraq,*Vol. IX, Graminae by N. L. Bor. Min. Agric., Rep. Irq., Baghdad.

Townsend C.C. & E. Guest. (1966) *Flora of Iraq, Vol. II,* Min. of Agric., Rep. Irq., Baghdad.

Zohary, M. (1950) *The Flora of Iraq and Its Phytogeograpraphical Subdivisions.* Tech. Bull. 31, Govt. Irq, Min. Econ., Dir. Gen. Agric., Baghdad.

Selected References on Iraqi Plants

المراجع العربيـة

أ ـ الخاصة

١. ابو العيس ، رجاء محيي . (١٩٧١) الشعير. نشرة ارشادية ٣٩، قسم النشر والاعلام، وزارة الزراعة ، بغداد .

٢. أبو العيس ، رجاء محيي. (١٩٧٢) معلومات حول أصناف الحنطة في العراق ، نشرة ارشادية ٥٢ ، مديرية الإرشاد الزراعي العامة ، وزارة الزراعة ، بغداد .

٣. البكر ، عبدالجبار . (١٩٧٢) نخلة التمر : ماضيها وحاضرها والجديد في زراعتها وصناعتها وتجارتها ، مطبعة العاني ، بغداد .

٤. البعلي ، صادق عبدالغني . (١٩٤٦) الحدائق والأزهار ، الجزء الأول والثاني ، مطبعة الصباح ، بغداد .

٥. البعلي ، صادق عبدالغني ، كامل عبدالكريم . (١٩٧٠) الحدائق ونباتات الزينة ، وزارة التربية والتعليم ، بغداد .

٦. البعلي ، صادق عبدالغني . (١٩٦٧) الحدائق . مطبعة الادارة المحلية ، بغداد .

٧. الأحبابي ، محمود جاسم . (١٩٧١) البصل ، انتاجه وآستهلاكه في العراق . وزارة التخطيط بغداد .

٨. الأورفلة لي ، طارق . زراعة الحشيش السوداني . وزارة الزراعة ، بغداد .

٩. الأنصاري ، م ، جمال عبدالكريم وجعفر حلمي . (١٩٧٢) المحاصيل الحقلية . وزارة التربية ، بغداد .

١٠. تشاو ، لين فانج . (١٩٦٠) انتاج الرز في العراق . مديرية البحوث والمشاريع الزراعية العامة ، وزارة الزراعة ، بغداد .

١١. الجبوري ، نوفل محمد ، زيدان خلف حسين ، خالد نعمان ابراهيم . (١٩٧١) وصف ١١٠ أصناف من التمور العراقية . نشرة ارشادية ٣٨، شعبة النشر والطباعة — قسم النشر والاعلام — وزارة الزراعة ، بغداد.

١٢. حسن ، صلاح أحمد . (١٩٦٦) فحص البذور . وزارة الزراعه ، بغداد.

١٣. الدجيلي ، قاسم .(١٩٧٠) الجوت والجلجل في العراق زراعته ، استخداماته . الدائرة الزراعية ، وزارة التخطيط ، بغداد .

١٤. الراوي ، اسماعيل وعبدالشهيد محمدعلي . (١٩٧١) زراعة الحمضيات في العراق ، نشرة ٢٦ ، قسم النشر والاعلام ، وزارة الزراعة ، بغداد .

١٥. الراوي ، عفتان . (١٩٦٠) البطاطا الحلوة . نشرة ٤ ، قسم البستنة ، مديرية البحوث والمشاريع الزراعية العامة ، وزارة الزراعة ، بغداد .

١٦. الراوي ، عفتان وعبدالله عبدالجليل الحديثي . (١٩٦٥) وصف لأهم أصناف الخضر التي تزرع في العراق ، مديرية البحوث والمشاريع الزراعية العامة ، وزارة الزراعة ، بغداد .

١٧. الراوي ، عفتان (١٩٧١) زراعة البطاطا في العراق ، مديرية البستنة العامة ، وزارة الزراعة ، بغداد .

١٨. الراوي ، عفتان . (١٩٧١) زراعة البصل في العراق ، نشرة ٢١، مديرية البستنة العامة ، وزارة الزراعة ، بغداد .

١٩. الراوي ، عفتان . (١٩٧١) زراعة الطماطة في العراق ، نشرة ارشادية ١٩، قسم النشر والاعلام ، وزارة الزراعة ، بغداد .

٢٠. رمضان ، زيد ، وآخرون . (١٩٧٠) تقرير عن تطوير زراعة الفاكهة في شمال العراق . وزارة الزراعة ، بغداد .

٢١. السامرائي ، أحمد مهدي . (١٩٧٠) الأسس العلمية في انتاج محصول عباد الشمس ، نشرة علمية ١، مجلس البحث العلمي ، بغداد .

٢٢. سلمان ، طايس . (١٩٧٠) زراعة التفاح في العراق ، نشرة علمية ١، مديرية الإرشاد الزراعي العامة ، وزارة الزراعة ، بغداد .

٢٣. الشمري ، محمد وكاظم سلمان البدري . (١٩٧٤) فول الصويا : من المحاصيل الزيتية الهامة، نشرة ١١،المديرية العامة للتعليم المهني الزراعي ، وزارة التربية ، بغداد .

٢٤. الشماع ، وفقي وطارق طبرة . (١٩٦٠) تجارب أصناف ومواعيد زراعة القصب السكري في أبي غريب والعمارة للمواسم ٥٤ — ١٩٥٧ و ٥٥ — ١٩٥٨ . نشرة فنية ٥، مديرية البحوث والمشاريع الزراعية العامة ، وزارة الزراعة ، بغداد .

٢٥. الشماع ، وفقي . (١٩٦٦) أبحاث المحاصيل الحقلية في العراق . مطبعة المعارف بغداد .

٢٦. الصقار ، أحمد محمد . (١٩٥٥) القطن في العراق ، مجلة الزراعة العراقية مجلد ١٠: ٢، ٣ ٢٣٤ — ٢٥٣.

٢٧. الصقار ، أحمد . (١٩٦٨) الجوت والجلجل في العراق ، مديرية مصلحة المزارع الحكومية مزرعة الصويرة ، وزارة الزراعة ، بغداد .

٢٨. صابر ، شاكر . (١٩٧٠) تقرير عن زراعة الفاكهة في شمال العراق ، وزارة الزراعة ، بغداد .

٢٩. عبدالعباس ، محمد حسين . (١٩٦٥) الورد القائم ، مديرية البحوث والمشاريع الزراعية العامة ، وزارة الزراعة ، بغداد .

٣٠. عبدالله ، ياوز شفيق . (١٩٧٢) تشجير الشوارع داخل المدن وخارجها ، الجامعة ١٢ : ٢٧ — ٣٠ .

٣١. غني ، عبدالهادي اسماعيل . (١٩٦٥) زراعة الفاكهة في العراق . مطبعة الكرادة ، بغداد .

٣٢. غني ، عبدالهادي اسماعيل ، شاكر صابر الصباغ ، عفتان زغير الراوي . (١٩٧٢) زراعة الفاكهة في العراق ، وزارة التربية ، بغداد .

٣٣. الغرابي ، مهدي صالح . (١٩٧١) البطاطا ، انتاجها واستهلاكها في العراق ، وزارة التخطيط ، بغداد .

٣٤. فاندرفين . ج. ب. هـ. (١٩٥٩) محاصيل العلف والمراعي الأروائية في العراق ، مديرية البحوث والمشاريع الزراعية العامة ، وزارة الزراعة ، بغداد .

٣٥. قسم الأرشاد الزراعي . (١٩٦٧) التقويم الزراعي ، نشرة ١٦٣ ، مديرية الزراعة العامة ، وزارة الزراعة بغداد .

٣٦. قسم الارشاد الزراعي . زراعة الحمضيات في العراق ، نشرة ١٦، مديرية البحوث والمشاريع الزراعية العامة ، وزارة الزراعة ، بغداد .

٣٧. قسم الاقتصاد الزراعي والاحصاء . (١٩٧٢) ، دراسة تكاليف انتاج وايراد الدونة لأهم المحاصيل الحقلية في العراق ، نشرة ١٣ ، مديرية التخطيط والمتابعة ، وزارة الزراعة ، بغداد .

٣٨. قسم الاقتصاد الزراعي والاحصاء . (١٩٧٢) انتاج المحاصيل والخضر لموسم ٧٠،٧١ نشرة علمية ١٧، وزارة الزراعة والاصلاح الزراعي ، بغداد .

٣٩. قسم الاقتصاد الزراعي والاحصاء . (١٩٧٢) انتاج المحاصيل والخضر الصيفية في العراق لموسم ١٩٧١، نشرة علمية رقم ١٩، وزارة الزراعة الاصلاح الزراعي ، بغداد .

٤٠. قسم الزينة والتشجير . (١٩٧٠) قائمة نباتات الزينة المعروضة في مزرعة الزعفرانية للموسم الزراعي ١٩٧٠ — ١٩٧١ . مديرية البستنة العامة ، وزارة الزراعة ، بغداد .

٤١. قسم الزينة والتشجير . (١٩٧١) قائمة نباتات الزينة المعروضة للبيع في مزرعة الزعفرانية للموسم الزراعي (١٩٧١ — ١٩٧٢) مديرية البستنة العامة ، وزارة الزراعة ، بغداد .

٤٢. الكركجي ، عبدالستار . (١٩٧١) الفول السوداني (فستق العبيد)، مديرية المحاصيل الحقلية العامة ، وزارة الزراعة ، بغداد .

٤٣. الكركجي ، عبدالستار عبدالله . (١٩٧٢) زراعة العصفر ، نشرة ٦٠، مديرية المحاصيل الحقلية العامة ، وزارة الزراعة ، بغداد .

ب— العامة :

١. مجلة الزراعة العراقية ، وزارة الزراعة ، بغداد .

٢. قسم الارشاد الزراعي ، رسالة المرشد الزراعي ، وزارة الزراعة ، بغداد.

في العراق ، وملحق للأسماء العلمية وملحق للأسماء الشائعة بالإنكليزية وبالعربية وبالكردية وبالتركية ومصادر مختلفة بالإنكليزية والعربية للنباتات التي تزرع بالعراق .

إن مجالات استعمال الكتاب واسعة حيث يمكن استعماله من قبل الطلاب والأساتذة المشتغلين في بحوث الزراعة والغابات وكل المهتمين بهذه النباتات وزراعتها .

ساهم عدد من زملائنا في مراحل مختلفة من تأليف الكتاب وبالاخص السيد أعظم مالك ، والدكتور سيد نعيم الحسن نقوي، والدكتور مشرف عزيز حسين، والدكتور عبدالمطلب سيد محمد ، والسادة عبدالهادي الساطان، نجم شليمون، وحسين عبدالمنعم ، إلى جميعهم نقدم جزيل شكرنا وتقديرنا إلى جهودهم القيمة . كذلك نقدم جزيل الشكر والتقدير إلى السيد صباح عبدالكريم عمر ، مدير النبات في وزارة الزراعة والإصلاح الزراعي لمراجعته مسودة الكتاب ولاقتراحاته القيمة. ونقدم جزيل الشكر إلى السادة أمجد زكريا وعبدالحميد الحيالي وأحمد نجم عبدالله والآخرين في مطبعة الجامعة على مساعدتهم في طبع الكتاب والله ولي التوفيق والسداد .

س م ح
م ح ق

رقم الايداع في المكتبة الوطنية ببغداد/٤٤٥ لسنة١٩٧٥

بسم الله الرحمن الرحيم

المقدمة

أن النباتات المزروعة بالعراق تكون جزءاً مهماً من الفلورا العراقية والتي يعمل على زراعتها معظم سكانه . وأن هذه النباتات تعتبر مصدراً أساسياً للغذاء والملبس والمسكن والعقاقير والمواد الأولية لكثير من الصناعات ولجمال وبهجة الحدائق والمنتزهات . وأن الأبحاث العلمية لهذه النباتات واستعمالاتها واكتشاف استعمالات جديدة لها تعمل على تطوير الاقتصاد الوطني .

إن المعلومات حول النباتات المزروعة بالعراق وأهميتها موجودة في مصادر مختلفة ، وعليه فإن الهدف من تأليف الكتاب بعنوان « **النباتات المزروعة في العراق واهميتها** » هو لدراسة هذه المعلومات وإعادة تنظيمها وتصنيفها على أساس أحدث الطرق العلمية المستعملة لهذا الغرض ، لتكون مصدراً متكاملاً يحوي جميع النباتات المزروعة في العراق بالوقت الحاضر .

يحوي الكتاب ٦٩٨ نوع من النباتات مصنفة حسب نظام Hutchinson ورتبت الأسماء العلمية في كل عائلة حسب ترتيب الحروف الإنكليزية ، ولكل نبات أعطيت المعلومات التالية حوله :

١. الأسم العلمي والذي يسبقه رقم التسلسل .
٢. الأسم الشائع بالإنكليزية والعربية والكردية والتركية .
٣. المنطقة التي يزرع فيها بالعراق.
٤. أهمية النبات واستعمالاته التي عبر عنها بشفرة لكل استعمال والتي يمكن حلها بعد الرجوع إلى دليل الأهمية
٥. مصدر أو مصادر عن النبات التي يمكن الرجوع إليها للحصول على معلومات نباتية أخرى كالوصف والرسوم لأجزاء مختلفة منه .

كـذلك يحتوي الكتاب على تابع للنباتات التي تزرع في السنادين للزينة وتابع للنباتات التي أشير إليها من قبل المعشب الوطني العراقي في ابي غريب بأنها تزرع

وزارة التعليم العالي
والبحث العلمي
جامعة الموصل

النباتات المزروعة في العراق وأهميتها

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محمود الحاج قاسم